

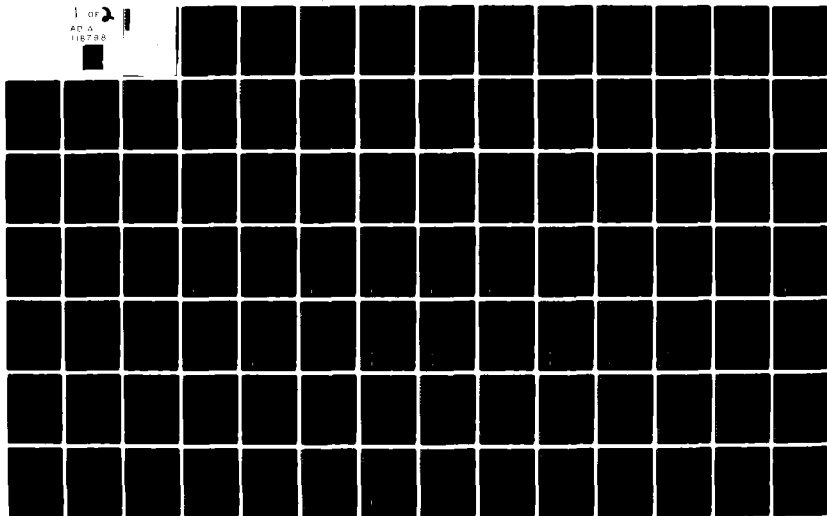
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GREAT LAKES ARCHAEOLOGICAL RESEARCH CENTER INC WAUKE--ETC F/G 5/6
PRELIMINARY INVESTIGATIONS: ARCHAEOLOGY AND SEDIMENT GEOMORPHOL--ETC(U)
1981 DACW25-81-C-0045

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DACW25-81-C-0045

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APPENDIX A: Scope of Work

PART I - Section C, Description/Specification

1. PROJECT OBJECTIVES

The purpose of this contract is to obtain a cultural resources survey and report for Pool 12 of the Mississippi River. The work will be a 100 percent cultural resource inventory of selected areas in Pool 12 in compliance with Executive Order 11593 and Public Law 93-291. The objective is to generate a qualitative predictive model for site locations and to evaluate the effects of erosion from maintenance of the pool on the cultural resources within the pool.

2. PROJECT BACKGROUND

- 2.1 Pool 12 is part of the Mississippi River 9-Foot Navigation Project. It extends from Bellevue, Iowa, Northwest (upriver) for 26.3 river miles. The pool is formed by Dam 12 located at River Mile 556.7, which is directly east of Bellevue. Dam 12 was put into operation in May 1939, and a minimum flat pool is maintained at 592 feet above sea level.
- 2.2 Within the pool there are approximately 5,100 acres of land owned by the Corps of Engineers above the flat pool. The bulk of this land is in islands in the upper portion of the pool. Most of the 4,200 acres of land owned by the Corps of Engineers is under management of the Fish & Wildlife Service, Department of the Interior. There is a total shoreline mileage within the pool of 280 miles (including both islands and riverbanks), 240 miles of which are under Federal control.

3. SPECIFICATIONS

- 3.1. As a minimum the following sources of information are to be consulted for this project:

Iowa State Historic Preservation Officer
Iowa Office of State Archaeologist
Illinois State Historic Preservation Officer
Wisconsin State Historical Society

The prospective contractor is expected to demonstrate a knowledge of the more extensive body of literature available for this region. The relevant information obtained will be documented in the draft and final report.

- 3.2. The contractor will conduct an evaluation of geomorphological changes as a result of the construction and operation of the 9-Foot Navigation Project. The Rock Island District will supply the contractor with two sets of maps indicating the pre- and post- lock and dam land forms as an aid in this. These changes will be located by the contractor on the Great River Environmental Action Team II (GREAT II) base map system and returned

PART I - Section C, Description/Specification (Con't)

to the Rock Island District. A set of the GREAT II maps or their equivalent, will be supplied to the contractor for marking the changes. (The GREAT II map system is in the same scale as the USGS 7-1/2 minute quadrangle.) The contractor will also conduct geomorphological studies in the pool to determine the amount of overburden in the relevant survey areas so that appropriate sampling methods can be employed.

3.3. The contractor will develop a survey plan to sample a total of 20 percent of Rock Island District land in the pool with 100 percent coverage. This sample will cover as diverse an area as possible and a qualitative predictive model will be developed from it. As discussed here, the qualitative predictive model will be designed to predict the likelihood of sites occurring, given the type of geomorphic structures and ecological setting involved. In addition to this, the contractor will locate the known sites on Federal land in the pool and evaluate their current condition. It is estimated that there are currently less than 25 known sites in this category.

3.4. The Principal Investigator shall be responsible for preparing a report on these investigations. The report shall include, but not be limited to, basic data descriptions including metrics, legal descriptions, using the range and township system, UTM coordinates for all sites, photographs, and drawings necessary to support the author's arguments and as a source of basic information that may find wider use by other archaeologists. The report shall also include possible cultural affiliation, horizontal extent and the likelihood and type of effect on the site if no further remedial action were to be taken.

3.5. The report format shall include, but not be limited to, the following items:

- Title Page
- Abstract
- Table of Contents
- Introduction
- Environmental Setting
- Review of Literature
- Interviews with Local Collectors —
- Methodology
- Analysis and Results
- Location for Curation of Artifacts —
- Recommendations
- Conclusions
- Bibliography

Appendices and Maps: The following shall be included in the appendices: (1) this Scope of Work, (2) vitae of Principal Investigator, project director, and/or field director, (3) proposal, (4) specific site locations will be included as an appendix and will not be given in the body of the report. A set of USGS maps showing site locations will be provided by the contractor separate from the report.

3.6. The report shall be submitted as a draft (6 copies) and then final (20 copies) in accordance with the schedule in Section F. The draft

PART I - Section C, Description/Specification (Con't)

report shall be complete when submitted. It will be reviewed by RID, the Illinois SHPO, and the Heritage Conservation and Recreation Service. The draft will be revised according to comments sent to the Contractor by the Contracting Officer. The Contracting Officer will distribute the reports for review, this will not be done by the contractor.

- 3.7. The contractor will not release any notes, photographs, or reports prior to the acceptance of the final report by the Contracting Officer. After the Contracting Officer has accepted the final report, distribution will not be restricted by either party except that data relating to the specific location of extant sites will be deleted in distribution to the public.

4. RECOMMENDATIONS

The contractor shall make recommendations in the report for each site located as to whether or not it should be tested. Recommendations should also be made regarding the likelihood and kind of future impacts on each site.

5. CURATION

- 5.1. All artifacts, notes, photographs, and maps generated by this contract are and will remain the property of the US Government.
- 5.2. After the final report is accepted, any artifacts or cultural material collected during the survey shall be deposited with a recognized institution in coordination with the Rock Island District and State Historic Preservation Officers of the states involved. All artifacts from a given state will be curated in one place. Duplicate notes, maps, and photographs will be made and a complete set stored in each state.

6. REPORTING SCHEDULE

- 6.1. A draft report is due 180 calendar days after the contractor receives the notice of award from the Contracting Officer.
- 6.2. The final report is due 260 calendar days after the contractor receives notice of award and will include review comments made on the draft.

7. GOVERNMENT SUPPLIED MATERIAL

The Rock Island District will supply the contractor with the following:

- (1) Two sets of maps showing pre- and post- lock and dam landforms.
- (2) One set of GREAT II or equivalent maps.
- (3) Access to aerial photographs of the pool (false color infrared) at the District Headquarters.

All of the above will be returned to RID upon completion of the contract. Copies of all the maps will be included with the artifacts to be curated.

APPENDIX B: Curriculum Vitae

1. Principal Investigator
2. Research Associate

CURRICULUM VITA

DAVID FREDERIC OVERSTREET

Date of Birth: October 19, 1942

Marital Status: Married, 1966 to Barbara (Seidita)
Two Sons, Colin 11, and Ryan 8

Special Areas of Interest:

North American Prehistory--Eastern United States, Great
Lakes Region
Cultural Ecology, Culture process, Subsistence & Settlement Systems
Great Lakes Ethnography, Ethnology
Biological Anthropology, Linguistics in Prehistory
Cultural Resources Management

Academic History:

Bachelor of Science, Anthropology, University of Wisconsin-
Milwaukee, 1968
Master of Science, Anthropology, University of Wisconsin-
Milwaukee, 1971
Doctor of Philosophy, Anthropology, University of Wisconsin-
Milwaukee, 1976

(Data Universe: Horticultural societies; Geographic
Region; Prehistory and Ethnology, Eastern United
States; Dissertation Title: "The Grand River,
Koshkonong, Green Bay, and Lake Winnebago Phases--
Eight Hundred Years of Eastern Wisconsin Oneota
Prehistory:" Foreign Language proficiency: Spanish,
French, Minor Studies: Linguistics)

Membership in Professional Organizations and Societies:

Society for American Archaeology, Wisconsin State Representative
Committee on Public Archaeology, 1978, 1979, 1980
American Anthropological Association
American Association for the Advancement of Science
American Museum of Natural History, Associate Member
Missouri Archaeological Society
Minnesota Archaeological Society
Wisconsin Archaeological Society, President 1976, 1977,
Board of Directors, 1978, 1979, 1980, Program Chairman,
1974-1977, Editor, The Wisconsin Archeologist, 1977-present
The State Historical Society of Wisconsin
The Wisconsin Academy of Arts, Science, & Letters
The Wisconsin Archaeological Survey, Secretary-Treasurer 1976,
1977, President 1978, 1979
Iowa Archaeological Society

Professional Papers presented:

- 1971 Midwest Archaeological Field Conference, Cleveland, Ohio.
- 1971 The Wisconsin Archaeological Society, Milwaukee, Wisconsin.
- 1972 The Wisconsin Archaeological Society, Milwaukee, Wisconsin.
- 1973 The Wisconsin Archaeological Society, Milwaukee, Wisconsin.
- 1974 Society for American Archaeology, Washington, D.C.
- 1974 Midwest Archaeological Field Conference, Milwaukee, Wisconsin.
- 1975 Northland College, Apostle Island National Lakeshore
Research Symposium, Ashland, Wisconsin.
- 1975 Invited participant, Woodland Survey Conference, Northern
Michigan University, Marquette, Michigan.
- 1975 Cultural Resources Symposium, University of Wisconsin-
Waukesha County.
- 1976 Invited participant, Woodland Survey Conference, University
of Wisconsin-Marathon County.
- 1976 Logan Museum of Anthropology, Beloit College, Beloit,
Wisconsin.
- 1976 Midwest Archaeological Field Conference-Plains Anthropology
Conference (joint meeting), Minneapolis, Minnesota.
- 1976 The Wisconsin Archaeological Society, Milwaukee, Wisconsin.
- 1976 The Wisconsin Archaeological Society, Charles E. Brown
Chapter, Madison, Wisconsin.
- 1978 Kenosha Public Museum, Kenosha, Wisconsin.
- 1978 The Wisconsin Archaeological Society, Dr. Bruder Chapter,
Mayville, Wisconsin.
- 1978 The Wisconsin Archaeological Society, Fox Valley Chapter,
Oshkosh Public Museum, Oshkosh, Wisconsin.
- 1978 The Wisconsin Archaeological Society, Charles E. Brown
Chapter, Madison, Wisconsin.
- 1978 The Wisconsin Archaeological Society, Milwaukee, Wisconsin.
- 1979 The Wisconsin Academy of Science, Arts, and Letters,
Carthage College, Kenosha, Wisconsin.
- 1980 Current Directions in Midwestern Archaeology, sponsored
by Mankato State University and the Council for Minnesota
Archaeology, Mankato, Minnesota.

Public Service Presentations:

Various presentations to government agencies such as The United States Forest Service, National Park Service, Department of Natural Resources, Planning Commissions, etc. Various presentations to both elementary and secondary school groups. Various presentations to professional organizations Lion's club, Legal Secretaries, Questars Club, etc. Various presentations to local historical societies and church groups.

Professional Publications:

- 1972 The Archaeological Survey of the Columbia Power Plant, The Wisconsin Archeologist, n.s., Vol. 53 (2).
- 1974 A Rapid Field Test for Archaeological Site Survey: An Application and Evaluation. The Wisconsin Archeologist, n.s., Vol. 55 (4).
- 1975 Summary Report: Archaeological Survey of Madeline Island. Manuscript on file, Department of the Interior and The State Historical Society of Wisconsin.
- 1976 Summary Report: Archaeological Inventory and Evaluation of the Cultural Resources within the Apostle Islands National Lakeshore. The Logan Museum of Anthropology, Beloit College, Beloit, Wisconsin.
- 1977 Wisconsin Binomial Pottery Types and Oneota Prehistory. The Wisconsin Archeologist, n.s., Vol. 58 (2).
- 1978 Oneota Settlement Patterns in Eastern Wisconsin--Some Considerations of Time and Space. In: Mississippian Settlement Patterns, Bruce Smith, Ed. Academic Press.
- 1980a The Convent Knoll Site (47 Wk 327): A Red Ocher Cemetery in Waukesha County, Wisconsin. The Wisconsin Archeologist, n.s. Vol. 61 (1).
- 1980b Archaeological Recovery at 11-Ri-337, an Early Middle Woodland Shell Midden in East Moline, Illinois. The Wisconsin Archeologist, Vol. 61 (2).

In press: An Early Date from the Hixton Rockshelter, Jackson County, Wisconsin.

Preliminary report on excavations at the Mile-Long Site (47 Wl 110), Walworth County, Wisconsin.

Applications of Menominee-Winnebago Subsistence Patterns to Late Prehistoric Manifestations in the Green Bay Coastal Corridor (to be published in Prehistory Series, Minnesota State Historical Society).

Reviews:

- 1980 A Handbook of Minnesota Prehistoric Ceramics. Occasional Publications in Minnesota Anthropology, No. 5, S.F. Anfinson, Ed. In: The Wisconsin Archeologist, Vol. 61 (1).

In Press: Oneota Culture in Northwestern Iowa, Report 12, Office of the State Archaeologist, Iowa City, Amy E. Harvey. Submitted to Plains Anthropologist

Hopewell Archaeology. D. Brose & N. Greber, Eds. Kent State University Press.

Technical Publications:

- 1976 An Intensive Inventory, Davenport Iowa, Local Flood Protection Project. Great Lakes Archaeological Research Center Reports of Investigations No. 2. Waukesha.
- 1976 An Archaeological Inventory of Sanitary Sewer Collection System and Waste Disposal Treatment Facility: Town of Salem Utility District No. 2, Kenosha County. Great Lakes Archaeological Research Center, Reports of Investigations No. 3. Waukesha.
- 1976 An Archaeological Inventory and Evaluation of the Sheboygan Falls and Kohler Forcemain Routes. Great Lakes Archaeological Research Center Reports of Investigations No. 6. Waukesha.
- 1976 Archaeological Monitoring and Mitigation, Campground and Trails Development and Rehabilitation, The Apostle Islands National Lakeshore, Stockton Island. Great Lakes Archaeological Research Center Reports of Investigations No. 7. Waukesha.
- 1976 An Archaeological Survey of The Fennimore, Wisconsin proposed Interceptor Sewer Route and Sewage Treatment Plant Site. Great Lakes Archaeological Research Center Reports of Investigations No. 8. Waukesha.
- 1976 Archaeological Inventory and Evaluation, Walworth County Metropolitan Sewerage District. Great Lakes Archaeological Research Center Reports of Investigations No. 12. Waukesha.
- 1977 Archaeological Survey for Fox River Navigation Project Disposal Sites. Great Lakes Archaeological Research Center Reports of Investigations No. 13. Waukesha.
- 1977 Cultural Resource Reconnaissance, Five Lake Michigan Harbors. Great Lakes Archaeological Research Center, Reports of Investigations No. 16. Waukesha.
- 1977 Archaeological Inventory, The Sturtevant Facilities Plant, Sturtevant, Wisconsin. Great Lakes Archaeological Research Center No. 18. Waukesha.
- 1977 Archaeological Inventory and Evaluation: The Proposed Waukesha County Technical Institute Expansion Project. Great Lakes Archaeological Research Center Reports of Investigations No. 20. Waukesha.
- 1977 Archaeological Inventory and Evaluation of The Weston Unit 3 Power Plant Site. Great Lakes Archaeological Research Center Reports of Investigations No. 21. Waukesha.
- 1977 Archaeological Inventory and Evaluation of Brillion, Wisconsin Wastewater Treatment Plant Facilities. Great Lakes Archaeological Research Center Reports of Investigations No. 22. Waukesha.

- 1977 Archaeological Inventory and Evaluation of Butte Des Morts Utility District, Menasha (West). Great Lakes Archaeological Research Center, Reports of Investigations No. 23. Waukesha.
- 1977 Partial Inventory of The Eagle Lake Sewer Utility District. Great Lakes Archaeological Research Center, Inc. Reports of Investigations No. 25. Waukesha.
- 1977 Cultural Resources Reconnaissance, Loves Park, Illinois. Interim 2, Flood Feasibility Study. Great Lakes Archaeological Research Center Reports of Investigations No. 28. Waukesha.
- 1977 Cultural Resources Reconnaissance of a Proposed Small Boat Harbor at Green Bay, Wisconsin. Great Lakes Archaeological Research Center Reports of Investigations No. 30. Waukesha.
- 1978 Cultural Resource Evaluation of The Sturgeon River Wilderness Study Area, Ottawa National Forest. Great Lakes Archaeological Research Center Reports of Investigations No. 33. Waukesha.
- 1978 Cultural Resources Reconnaissance for The Des Moines River Bank Erosion Study. Great Lakes Archaeological Research Center Reports of Investigations No. 32. Waukesha.
- 1978 Cultural Resource Evaluation of Two Chequamegon National Forest Wilderness Study Areas: Flynn & Round Lakes. Great Lakes Archaeological Research Center Reports of Investigations No. 34. Waukesha.
- 1978 Archaeological Survey in Three Waukesha County Drainage Systems-The Fox, Bark, and Pewaukee Rivers. Great Lakes Archaeological Research Center Reports of Investigations No. 35. Waukesha.
- 1978 Archaeological Inventory and Evaluation of The Proposed Wastewater Treatment Plant Facilities, Fond Du Lac County, Wisconsin. Great Lakes Archaeological Research Center Reports of Investigations No. 36. Waukesha.
- 1978 Archaeological Survey of Proposed Construction Areas in The Horicon National Wildlife Refuge. Great Lakes Archaeological Research Center Reports of Investigations No. 39. Waukesha.
- 1979 Cultural Resources Overview of The Chequamegon National Forest. Great Lakes Archaeological Research Center, Reports of Investigations No. 50. Waukesha.
- 1979 Archaeological Recovery at 11 Ri 337, An Early Middle Woodland Shell Midden in East Moline, Illinois. Great Lakes Archaeological Research Center Reports of Investigations No. 60. Waukesha.
- 1979 Archaeological Survey and Test Excavations in the Fox River Drainage--Waukesha, Racine, and Kenosha Counties. Great Lakes Archaeological Research Center Reports of Investigations No. 67. Waukesha.

David F. Overstreet-6

- 1979 Archaeological Studies at The Mile-Long Site (47 Wl 110), A Planning and Preservation Report. Great Lakes Archaeological Research Center Reports of Investigations No. 70. Waukesha.
- 1979 Archaeological Inventory: Proposed Oshkosh Area Sanitary System. Great Lakes Archaeological Research Center Reports of Investigations No. 72. Waukesha.
- 1979 Archaeological Survey of the Proposed Packerland Industrial Park Post Office Site. Green Bay, Wisconsin. Great Lakes Archaeological Research Center, Reports of Investigations No. 78. Waukesha.
- 1979 Archaeological Evaluation of the Proposed Madison Area Technical College at the Burke Site, Madison, Wisconsin. Great Lakes Archaeological Research Center Reports of Investigations No. 81. Waukesha.
- 1979 Archaeological Survey of The East Shore of Lake Winnebago, 1979. Great Lakes Archaeological Research Center Reports of Investigations No. 86. Waukesha.
- 1979 Archaeological Survey of The Green Bay Coastal Corridor. Great Lakes Archaeological Research Center Reports of Investigations No. 87. Waukesha.
- 1980 Archaeological Survey of Two Proposed Dredge Disposal Sites at the Sturgeon Bay Ship Canal. Great Lakes Archaeological Research Center, Reports of Investigations No. 91. Waukesha.
- 1980 Archaeological Inventory of the Proposed Interceptor Sewer at the City of Mayville, Dodge County, Wisconsin. Great Lakes Archaeological Research Center Reports of Investigations No. 92.

Archaeological Field Experience:

Over 12 years of field experience in Wisconsin, Illinois, Iowa, Michigan, & Minnesota.

Grants and Honorary Societies:

- 1971 The Wisconsin Archaeological Society. Dissertation research at the Pipe Site, Pipe, Wisconsin.
- 1971 Academic Dean's nominee as National Candidate for Woodrow Wilson Dissertation Support Fellowship.
- 1972 The Wisconsin Archaeological Society. Dissertation research support at the Pipe Site. Pipe, Wisconsin.
- 1972 Academic Dean's nominee for University of Wisconsin-Milwaukee Graduate School Fellowship (appointment accepted).
- 1974 Appointed Logan Fellow, Logan Museum of Anthropology, Beloit College (appointment declined).

David F. Overstreet-7

- 1975 Appointed as Research Associate, Logan Museum of Anthropology, Beloit College, Beloit, Wisconsin.
- 1976 Title VI-A Grant to establish comparative teaching collection for anthropology. University of Wisconsin-Waukesha.
- 1977 Historic Site Survey Grant from National Advisory Council on Historic Preservation. Administered by The State Historical Society of Wisconsin.
- 1978 Historic Site Survey Grant from National Advisory Council on Historic Preservation. Administered by The State Historical Society of Wisconsin.
- 1978 Archaeological survey grant from National Oceanic and Atmospheric Administration--Coastal Zone Management Program. Administered by The State Historical Society of Wisconsin.
- 1979 Historic Site Survey Grant from National Advisory Council on Historic Preservation. Administered by The State Historical Society of Wisconsin.
- 1979 Ziemann Foundation Grant for printing subsidy for The Wisconsin Archeologist.
- 1980 Grant from the Rock Island District, U.S. Army Corps of Engineers for printing subsidy for The Wisconsin Archeologist.
- 1980 Grant from the Gootemaat Foundation for printing subsidy for The Wisconsin Archeologist.
- 1979 Awarded Lapham Research Medal for distinguished research in Anthropology, The Wisconsin Archeological Society.
- 1979 Awarded The Dr. Robert E. Ritzenthaler service award, The Wisconsin Archeological Society.

Employment History:

Military Service: U.S. Army, Honorably discharged, July 1963.

- 1969-1971 Teaching Assistant in Anthropology, Department of Anthropology, University of Wisconsin--Milwaukee.
- 1973 Lecturer in Anthropology, Marquette University.
- 1974 Lecturer in Anthropology, University of Wisconsin-Milwaukee.
- 1974 Research Associate, Logan Museum of Anthropology, Beloit College, Beloit, Wisconsin.
- 1972-Present Assistant Professor of Anthropology, University of Wisconsin-Waukesha.
- 1975-Present Director, Great Lakes Archaeological Research Center, Inc. President, 1975-1980.

University Courses Taught:

Introduction to Cultural Anthropology
General Anthropology
Introduction to Physical Anthropology
Intermediate Sociocultural Analysis
Human Evolution and Variation
Survey of World Prehistory--Origins of Civilization

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Survey of World Ethnography
Methods and Techniques in Archaeology*
Wisconsin Prehistory
Comparative Religion
Field Archaeology-Survey and Excavation
Analyses of Archaeological Materials and data
Hominid Paleontology
North American Prehistory
North American Indians

(*indicates Graduate course)

Adult Education Courses Taught:

Site Survey in Archaeology-UW Extension
Map making and survey techniques in Archaeology-UW Extension
Field Methods, in Archaeology-UW Extension.

VITA

ROBERT F. BOSZMART

DATE OF BIRTH November 30, 1954

AREA OF INTEREST Archaeology of the Western Upper Great Lakes and the Upper Mississippi River.

ACADEMIC HISTORY

University of Wisconsin-Waukesha Center 1972-1974.

University of Wisconsin-Milwaukee

Bachelor of Arts, Anthropology, 1977

University of Wisconsin-Madison

Master of Science expected, early 1982

MEMBERSHIP IN PROFESSIONAL SOCIETIES AND ORGANIZATIONS

The Wisconsin Archeological Society

The Iowa Archaeological Society

The Galena Historical Society

PAPERS PRESENTED

1981 The Prairie Phase, an "Early Woodland" Manifestation in the Upper Mississippi River Valley. Midwest Archaeological Conference, Madison, Wisconsin. Junior participant with Dr. James B. Stoltman and James L. Theler. Paper delivered by Dr. James B. Stoltman.

1981 Preliminary Report on an Archaeological Survey of Pool 12, Upper Mississippi River. Midwest Archaeological Conference, Madison, Wisconsin.

1981 Report and Discussion of Archaeological/Geomorphological Interpretations of Pool 12 in the Upper Mississippi River Valley. Wisconsin Archeological Society, November Meeting, Waukesha, Wisconsin.

PUBLICATIONS

1977 Radiocarbon Dates for Wisconsin, 1976, A Second Compilation. The Wisconsin Archeologist, 58(2):84-150.

TECHNICAL REPORTS

1981 Archaeological Investigations on Private Lands in the Lowland Floodplain Near Prairie du Chien, Wisconsin. State Historical Society of Wisconsin. Section of Comprehensive Report on Archaeological Investigations of the Prairie du Chien Locality, Crawford County, Wisconsin, prepared by Dr. James B. Stoltman, James L. Theler, Constance Arzigian and Jeff Behm.

ARCHAEOLOGICAL FIELD/LABORATORY EXPERIENCE

1973 Crew member, Archaeological Field School, Hixton Quarry Site, University of Wisconsin-Waukesha. Dr. David F. Overstreet, Director.

1974 Crew member, Byron Power Plant Project, First and Second Phase Testing, University of Wisconsin-Milwaukee. Robert Birmingham, Director.

1975 Crew member, Apostle Island Survey, Beloit College. Dr. David F. Overstreet, Director.

1975 Crew member, Marina Site Excavation, Madeline Island, Wisconsin, Beloit College. Robert Birmingham, Director.

1975-1976 Lithic Analysis, Apostle Island Survey, Beloit College. Dr. David F. Overstreet, Director.

1976 Crew member, Jones Bluff Survey (Alabama River), Office of Archaeological Research, University of Alabama. C. Oakly and M. Watson, Directors.

1976 Crew member, Subassistant, Phipps Bend Excavations (Tennessee), Office of Archaeological Research, University of Alabama. Robert Lafferty, Director.

ROBERT F. BOSZELANDT

1976 Crew member, Rock River Survey (Rock Island County, Illinois), University of Wisconsin-Milwaukee. Robert Birmingham, Director.

1977 Crew member, Historic Site Survey, Fox River Watershed, Waukesha County, Wisconsin. Dr. David F. Overstreet, Director.

1977-1979 Research Assistant, the Great Lakes Archaeological Research Center, Waukesha, Wisconsin. Project participation included:

Archaeological Inventory and Evaluation of Weston, Unit 3 Power Plant, Marathon County, Wisconsin.

Archaeological Inventory of the Sanitary Sewer Collection System and Waste Disposal Treatment Facility: Town of Norway Sanitary District No. 1, Racine County, Wisconsin.

Archaeological Inventory and Evaluation of the Proposed Sewage Treatment Facilities at Mukwanago, Waukesha County, Wisconsin.

An Archaeological Inventory and Evaluation: The Proposed Waukesha County Technical Institute Expansion Project.

An Intensive Archaeological Survey, Milan-Big Island Phase II Study, Rock River, Illinois.

Archaeological Inventory and Evaluation: Brillion, Wisconsin Wastewater Treatment Facilities.

Archaeological Inventory and Evaluation of Butte des Morts Utility District, Menasha (West).

Cultural Resource Inventory of the Chippewa River in Sawyer County, Wisconsin.

Cultural Resources Reconnaissance, Loves Park, Illinois, Interim 2, Flood Feasibility Study.

Archaeological Inventory of the Proposed Areas of Modification, Black River Falls Mine, Jackson County, Wisconsin.

Archaeological Inventory of the Sand Hill Estates and Hillside Homes Community, Oneida, Outagamie County, Wisconsin.

Archaeological Inventory of the Proposed Stabilization Ponds, Lift Station and Interceptor Route, Mellen, Wisconsin.

Archaeological Inventory of the Cherryland Airport Extension, Door County, Wisconsin.

Archaeological Inventory of the Proposed Realignment of County D, Florence County, Wisconsin.

Cultural Resource Evaluation of the Sturgeon River Wilderness Study Area, Ottawa National Forest.

Archaeological Inventory of the Proposed Outagamie Airport Industrial Park Site.

Cultural Resource Evaluation of Two Chequamegon National Forest Wilderness Study Areas: Flynn and Hound Lakes.

Archaeological Inventory and Evaluation of the Proposed Wastewater Treatment Facilities at Cambellsport, Fond du Lac County, Wisconsin.

Archaeological Inventory and Evaluation of the Proposed Dredging Deposition Areas at Muskego, Wisconsin.

Initial Archaeological Inventory of Chequamegon National Forest in Northwestern Wisconsin.

Archaeological Inventory and Evaluation of the Proposed Wastewater Treatment Facilities at Columbus, Wisconsin.

Archaeological Inventory of the Proposed Wisconsin Public Service Corporation Ash Disposal Site, Brokaw, Marathon County, Wisconsin.

Cultural Resource Inventory and Evaluation of the Proposed Expansion of the Wastewater Treatment Facilities at Monroe, Green County, Wisconsin (Field Supervisor).

Archaeological Inventory of the Proposed Electrical Power Service Line from Prairie du Chien to Indian Isle, Crawford County, Wisconsin (Field Supervisor).

ROBERT F. BOSZMART

Archaeological Inventory and Evaluation of the Proposed Wastewater Treatment Facilities at Friesland, Columbia County, Wisconsin.
Archaeological Inventory of the Proposed Hidden Harbor Development at Fish Creek, Door County, Wisconsin.
Salvage Excavations at the Convent Knoll Site (47Wk327), a Red Ochre Cemetery at Elm Grove, Waukesha County, Wisconsin.
Archaeological Excavation at the Mile Long Site (47Wl110), Lake Delavan, Walworth County, Wisconsin.
Archaeological Inventory and Evaluation of the Proposed Wastewater Treatment Facilities at Boscobel, Grant County, Wisconsin.
Archaeological Inventory of the Proposed Wastewater Treatment Facilities at Palmyra, Jefferson County, Wisconsin.
Archaeological Recovery at 11Ri337, an Early Middle Woodland Shell Midden in East Moline, Illinois.
Cultural Resources and Assessment: Butternut and Franklin Lakes, Nicolet National Forest.
Archaeological Survey of the East Shore of Lake Winnebago: 1979.
Archaeological Survey of the Green Bay Coastal Corridor (Field Supervisor).
A Cultural Resource Survey of Proposed Undertakings Nicolet National Forest, Wisconsin.

- 1980 Research Assistant University of Wisconsin-Madison Laboratory of Archaeology. Project participation included:

Archaeological Investigations in the Prairie du Chien Locality, Crawford County, Wisconsin.

Supervisor, University of Wisconsin-Madison Field School in Archaeology.

Archaeological Investigations on Private Lands in the Lowland Floodplain of the Upper Mississippi River near Prairie du Chien, Wisconsin

- 1981 Research Assistant, the Great Lakes Archaeological Research Center, Waukesha, Wisconsin. Project participation includes:

Archaeological Testing of an Early Logging Camp (47Fr142) Forest County, Wisconsin.

A Cultural Resource Survey At Kinickinic State Park, Pierce County, Wisconsin.

Archaeological Survey of Pool 12, Upper Mississippi River Valley (Field Supervisor).

Archaeological Testing of Two Prehistoric Sites (47Fr141, 47Fr143) at Oak Lake in Northcentral Wisconsin.

APPENDIX C: Lab sheets for Grain Size Analyses; Cumulative
Weight Percentage Curves

SEDIMENT SIZE-FREQUENCY DISTRIBUTION

Sample No. 9-2 Analyst De Haver Date 12-21-71
 Sample description Sandy loam, silty, clayey, calcareous, grayish brown (Munsell); organic material in all soil fractions
 Summary of preliminary treatment wet-sieve for > 4φ fraction; dry-sieve > 4φ fraction; < 4φ fraction retained for plastic
 Total sample weight (W_s) 1.1177 = 16.9091g
 Cumulative weight (W_c) 13.7026
 Weight of split sample _____

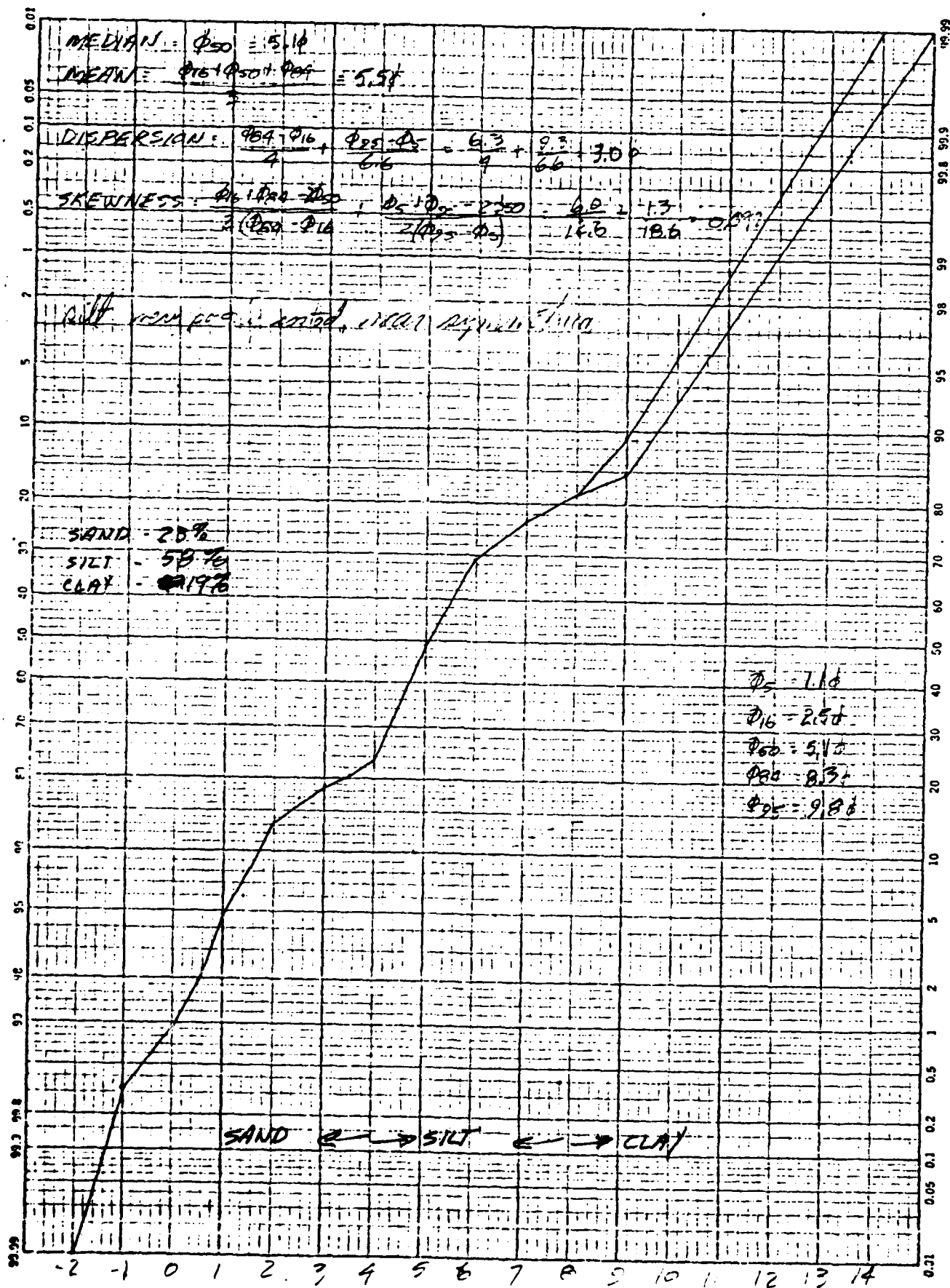
Mesh	Size mm.	φ	Weight	% aggre- gates	Splitting factor	Cor- rected weight	Cumu- lative weight	Cumu- lative percent	Indi- vidual percent
5	4	-2	0						
9	2	-1	0.0567				0.0567	0.34%	0.34%
16	1	0	0.1070				0.1637	0.97%	0.63%
24	0.71	0.5	0.1637				0.3274	1.94%	0.97%
32	0.50	1.0	0.4789				0.8063	4.77%	2.83%
42	0.35	1.5	0.5736				1.3800	8.22%	3.45%
60	0.25	2.0	0.8714				2.2668	12.10%	5.12%
80	0.177	2.5	0.5982				2.8656	16.45%	3.53%
115	0.125	3.0	0.3099				3.1755	18.77%	1.83%
170	0.088	3.5	0.3277				3.4962	20.60%	1.91%
250	0.0625	4.0	0.4611				3.9573	23.41%	2.13%
		~ 5	2.780				6.7376	49.1%	
		~ 6	2.730				9.4676	67.7%	
		~ 7	1.040				10.5076	76.1%	
		~ 8	0.820				11.3276	82.6%	
		~ 9	0.910				12.2376	88.5%	

< 9φ 1.469

13.7026 100%

$$\text{Error } 1 - \left(\frac{2W_c}{W_s W_c} \right) \times 100 = 1 - \frac{27.4052}{30.6117} = 0.9\%$$

7.A



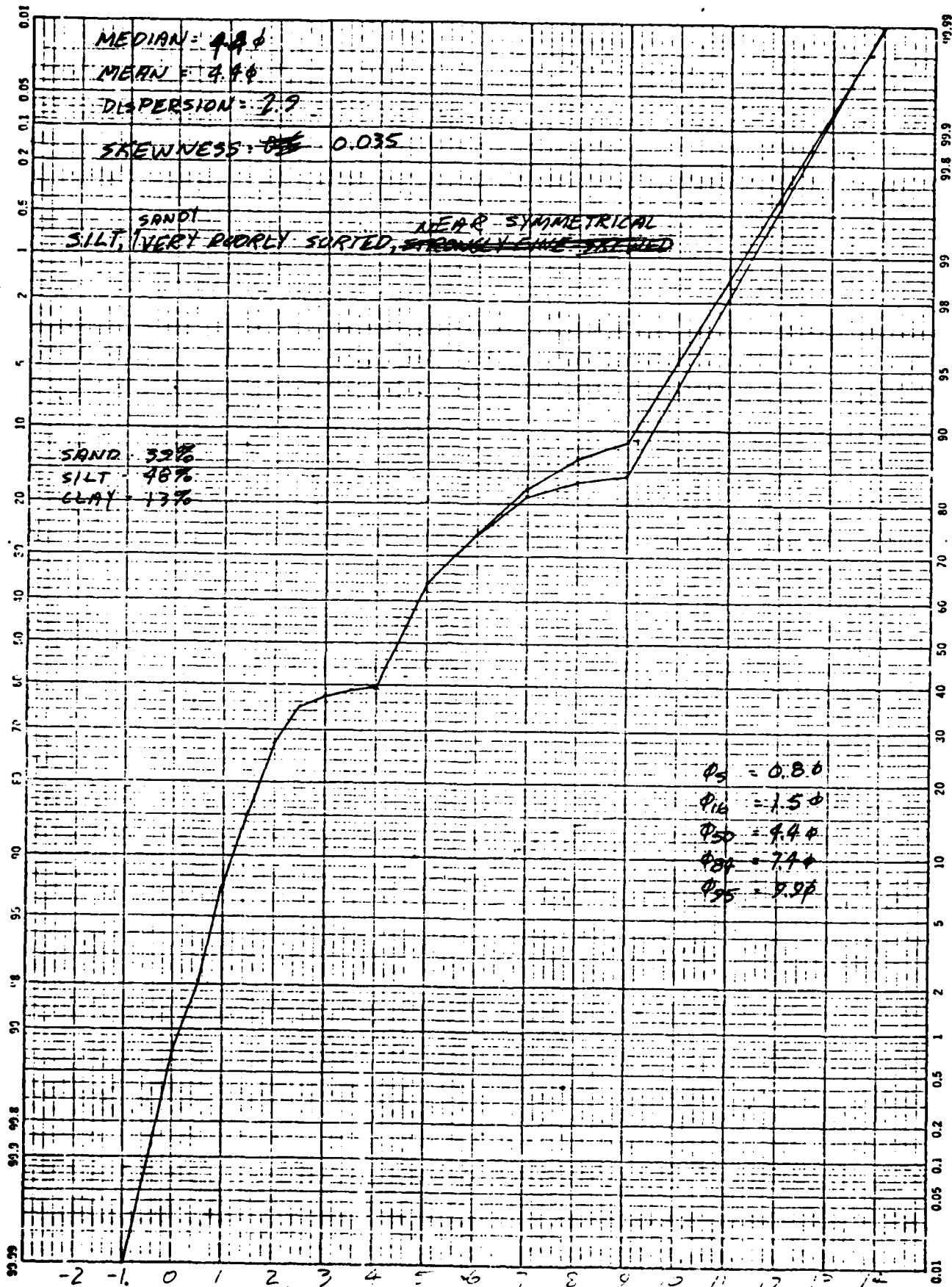
SEDIMENT SIZE-FREQUENCY DISTRIBUTION

Sample No. 9-6 Analyst Don Heller Date 19 Sep 81
 Sample description sandy loam, silty clay, color (dry) 10-15 YR, 3-5 veg
 Summary of preliminary treatment wet-sieve for > 40 fraction; dry-sieve > 40 fraction; < 40 fraction returned for analysis
 Total sample weight (W_s) 19.732 - 1.112 = 18.620 g
 Cumulative weight (W_c) 11.000
 Weight of split sample

Mesh	Size mm.	ϕ	Weight	% aggre- gates	Splitting factor	Cor- rected weight	Cumu- lative weight	Cumu- lative percent	Indi- vidual percent
5	4	-2							
9	2	-1							
16	1	0	0.1302				0.1302	0.70%	0.70%
24	0.75	0.5	0.1249				0.2551	2.18%	1.48%
32	0.50	1	0.1180				0.3731	7.25%	5.07%
42	0.35	1.5	1.4649				2.1780	15.34%	8.07%
60	0.25	2.0	2.1773				4.3553	27.31%	12.02%
80	0.177	2.5	1.3274				5.6827	34.92%	7.55%
100	0.150	3.0	0.4562				6.1389	37.43%	2.52%
150	0.075	3.5	0.2337				7.0133	38.73%	1.21%
250	0.0625	4.0	0.0010				7.2143	39.84%	1.11%
		~ 5	3.040				10.2543	57.15%	
		~ 6	1.705				11.9593	74.21%	
		~ 7	1.340				13.2993	82.22%	
		~ 8	0.700				14.0093	84.93%	
		~ 9	0.500				14.5093	85.96%	

$$\text{Error } 1 - \left(\frac{2W_c}{W_s W_c} \right) \times 100 = 6.6\%$$

9B



SEDIMENT SIZE-FREQUENCY DISTRIBUTION

Sample No. Core 9 - C Analyst J. Clyde Date 9/18/81

Sample description Sand with some aggregates due to
clay sticking sand grains together

Summary of preliminary treatment Dry Sieved (New Screens)

Total sample weight (W_s) (sample + beaker wt) — (Beaker wt) = 28.7993 - 71.7318 = 42.9325 g

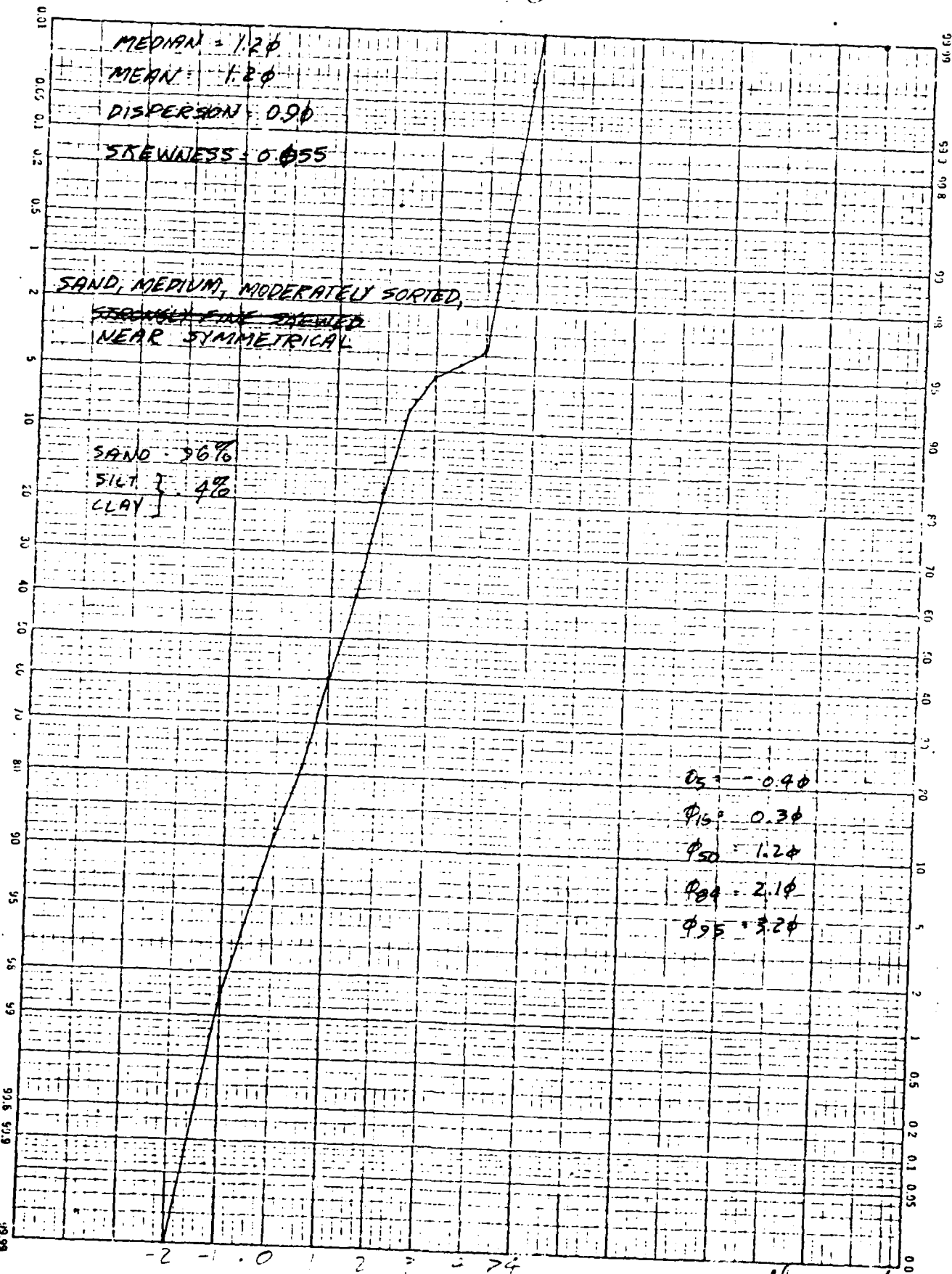
Cumulative weight (W_c) 41.3704 g

Weight of split sample N.A

TYLER STANDARD	Size		Weight	% aggre- gates	Splitting factor	Cor- rected weight	Cumu- lative weight	Cumu- lative percent	Indi- vidual percent
Mesh	mm.	ϕ							
5	4	-2	0	—					
9	2	-1	.6234	50%			.6234	1.45%	1.45%
18	1	0.0	4.3137	75%			4.9371	11.50%	10.05%
24	0.71	0.5	4.4067	50%			9.3438	21.76%	10.26%
32	0.50	1.0	8.1047	25%			17.4485	40.64%	18.88%
42	0.35	1.5	8.5546				26.0031	60.57%	19.93%
60	0.25	2.0	8.9880				34.9911	81.50%	20.94%
80	0.177	2.5	4.5207				39.5118	92.03%	10.53%
115	0.125	3.0	1.1390				40.6508	94.69%	2.65%
170	0.088	3.5	.3302				40.981	95.45%	.77%
250	0.0625	4.0	.3430				41.324	96.25%	.80%
	>4.0 ϕ Pan		.0464				41.3704	96.36%	.11%

($W_c = 41.3704$)

$$\text{Error } 1 - \left(\frac{2W_c}{W_s W_c} \right) \times 100 = \left| - \frac{82.7408}{84.3029} \right| \times 100 = \underline{\underline{1.85\%}}$$



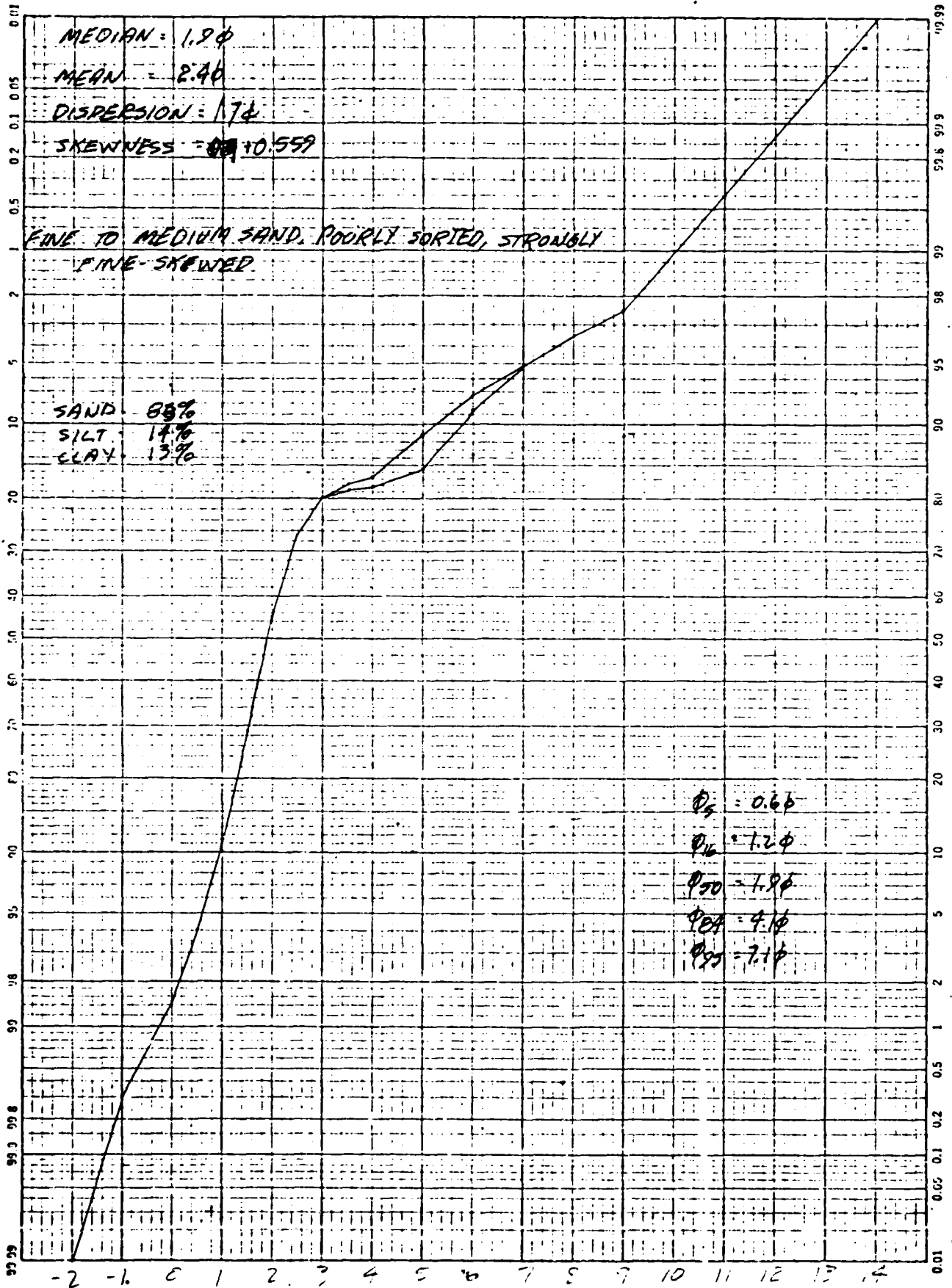
Analysis probably
 invalid because
 aggregates

SEDIMENT SIZE-FREQUENCY DISTRIBUTION

Sample No. 1-D Analyst Don Heller Date 5 OCT 61
 Sample description color (drill) gray, green 10 Y 5/6 2.5
0.5 1.0 2.0 4.0 8.0 16.0 32.0 64.0 125.0 250.0 500.0 1000.0
 Summary of preliminary treatment Wet - 1.137 = 48.6813 g
48.6813 g - 1.137 = 47.5443 g
 Total sample weight (W_s) 49.8183 - 1.137 = 48.6813 g
 Cumulative weight (W_c) 47.5443 g
 Weight of split sample

Mesh	Size mm.	ϕ	Weight	% aggre- gates	Splitting factor	Cor- rected weight	Cumu- lative weight	Cumu- lative percent	Indi- vidual percent
5	4	-2	-						
9	2	-1	0.1512				0.1512	0.31%	0.31%
16	1	0	0.0244				0.1756	1.51	1.30%
30	0.75	0.5	1.1112				1.9597	11.20%	2.15%
32	0.50	1.0	4.9778				6.1517	12.64%	8.61%
40	0.35	1.5	2.0000				14.0010	29.25%	16.40%
60	0.25	2.0	12.5823				26.5823	55.01%	30.45%
80	0.177	2.5	8.9117				35.4940	73.41%	18.30%
100	0.150	3.0	3.0112				39.0052	80.14%	7.70%
120	0.125	3.5	0.4773				39.9925	82.15%	2.00%
200	0.075	4.0	0.5827				40.5752	83.20%	1.40%
		~ 5	1.8320				42.4072	88.97%	
		~ 6	1.5112				43.9184	92.80%	
		~ 7	1.0975				45.0159	94.97%	
		~ 8	0.7770				45.7929	96.48%	
		~ 9	0.5827				46.3756	97.53%	

$$\text{Error } 1 - \left(\frac{2W_c}{W_s W_c} \right) \times 100 = 1.0\%$$

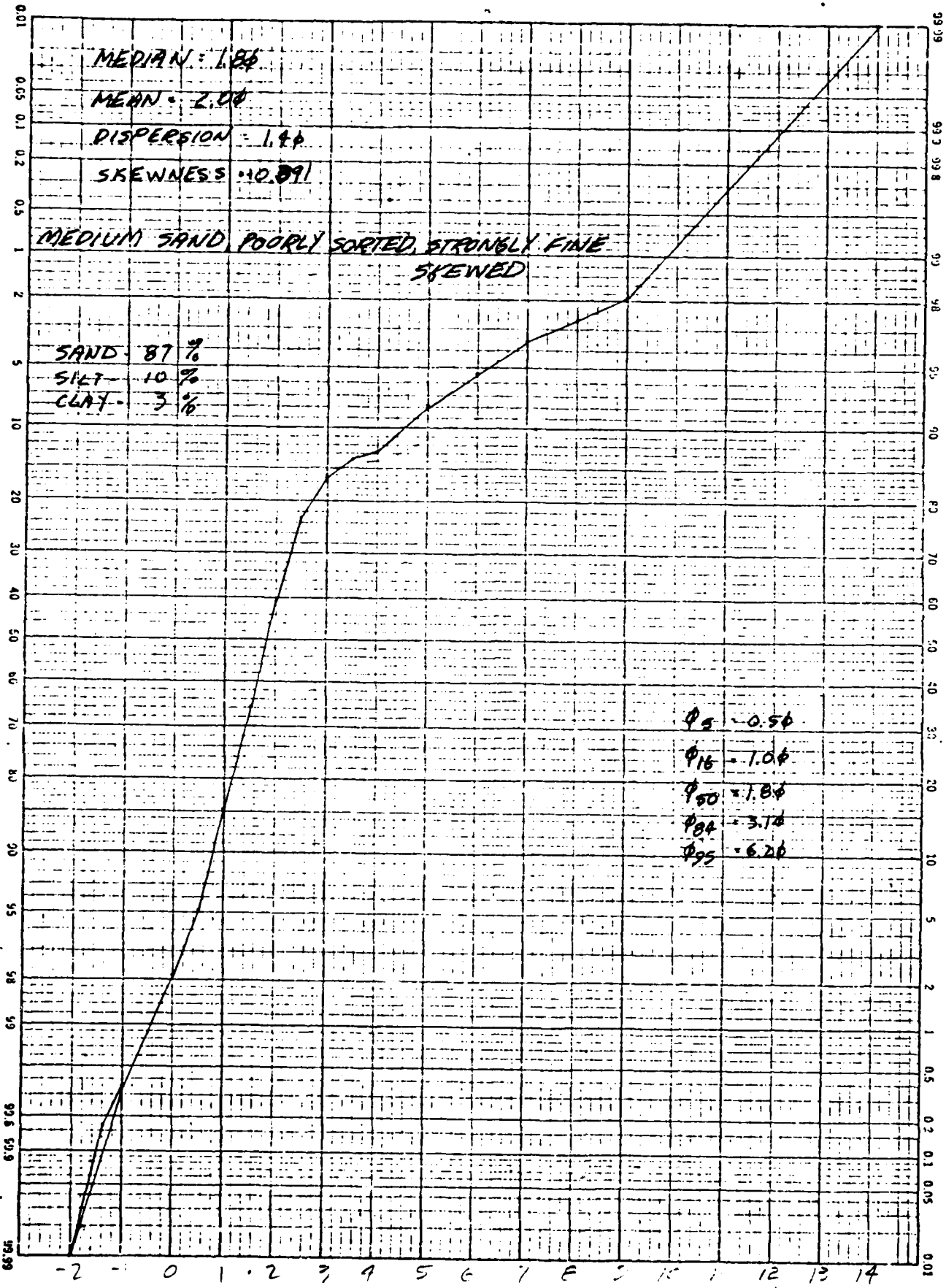


SEDIMENT SIZE-FREQUENCY DISTRIBUTION

Sample No. 0-2 Analyst Don Mc Date 9 OCT 81
 Sample description core 10 ft 5 in 1.000 ; 4.000
fine sand - sand fraction
 Summary of preliminary treatment with sieve > 40 for fine; dry - sieve > 40
for < 40 retained for analysis
 Total sample weight (W_s) 45.5020 - 1.200 = 44.302
 Cumulative weight (W_c) 43.85
 Weight of split sample _____

Mesh	Size mm.	φ	Weight	% aggre- gates	Splitting factor	Cor- rected weight	Cumu- lative weight	Cumu- lative percent	Indi- vidual percent
5	4	-0							
9	2	-1	0.1560				0.1560	0.35%	0.35%
16	1.18	0	0.0000				0.9626	2.17	1.71%
24	0.85	1.0	1.3414				2.3040	5.18	3.02
30	0.60	1.1	1.0017				7.2257	16.35%	11.07%
40	0.35	1.0	0.1000				15.1351	34.05%	17.72%
60	0.25	1.0	1.0000				26.3103	59.8%	25.14%
80	0.17	2.0	1.0032				34.2335	77.01%	17.02%
100	0.15	3.0	3.0000				37.2776	83.85	6.85%
120	0.12	3.0	1.0000				38.3776	86.0%	2.33%
150	0.10	4.0	0.0000				38.3776	87.04%	0.86%
		N 5	1.0000				40.3651	92.08%	
		N 6	1.0000				41.3651	94.58%	
		N 7	0.0000				41.3651	96.35%	
		N 8	0.0000				42.6601	97.32%	
		N 9	0.0000				42.6601	98.03%	

$$\text{Error } 1 - \left(\frac{2W_c}{W_s W_c} \right) \times 100 = 0.70\%$$



SEDIMENT SIZE-FREQUENCY DISTRIBUTION

Sample No. 0-5 weigher J CLYDE
 Analyst Date 9 OCT 81
 Sample description

Summary of preliminary treatment net - sieve for > 40 fraction; dry - sieve > 40 fraction

Total sample weight (W_S) 29.6759 - 1.877 = 34.1542

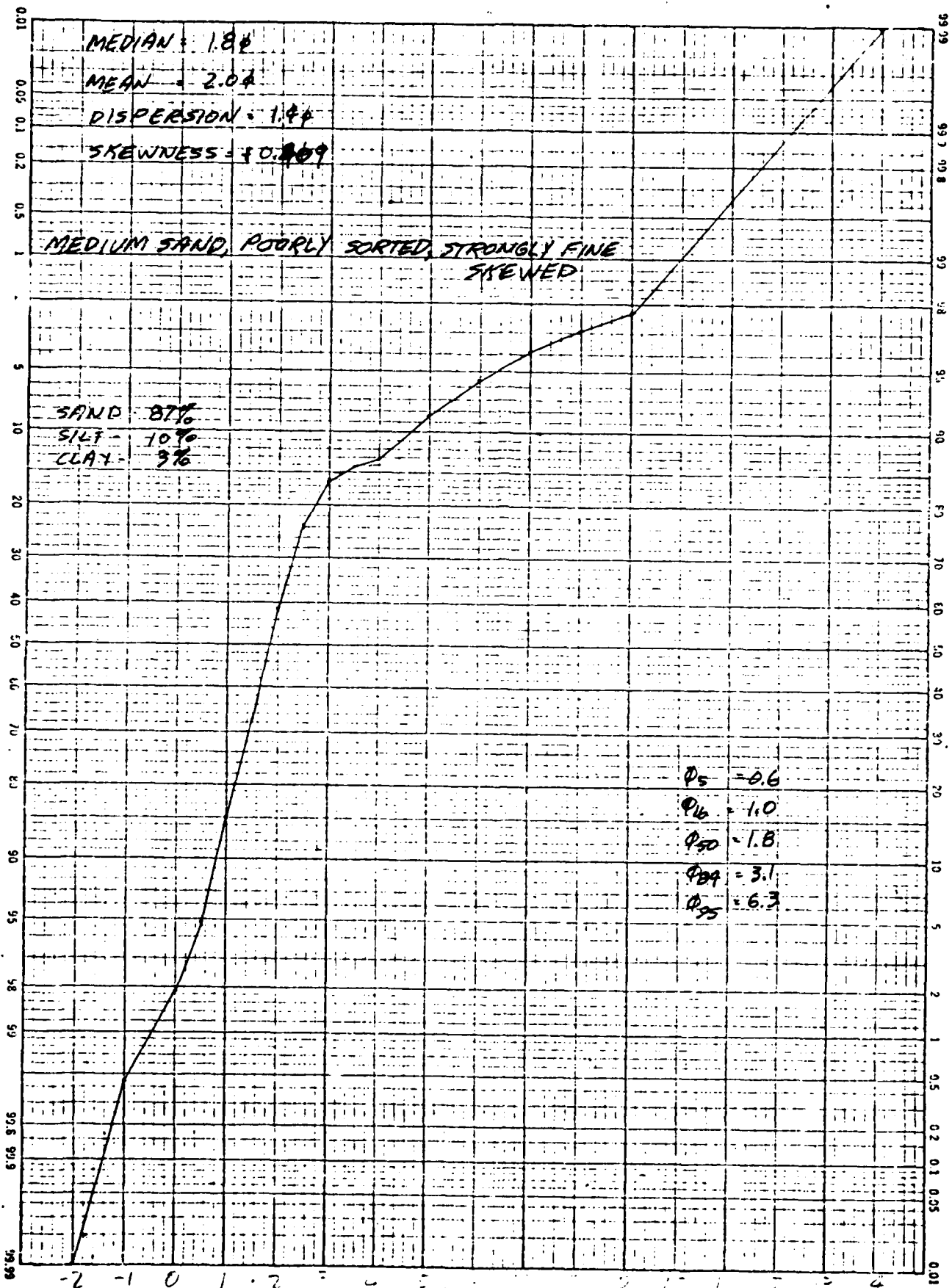
Cumulative weight (W_C) 29.6759

Weight of split sample

Mesh	Size mm.	φ	Weight	% aggre- gates	Splitting factor	Cor- rected weight	Cumu- lative weight	Cumu- lative percent	Indi- vidual percent
5	4	-3	0				0	0	0 %
	2	-1	.1552				.1552	.45%	.52 %
10	1	0	.4939				.6491	1.90%	1.66 %
24	0.7	0.5	1.0227				1.6718	4.90%	3.45 %
30	0.50	1.0	3.4532				5.125	15.01%	11.64 %
40	0.35	1.5	6.0635				11.1885	32.76%	20.43 %
60	0.25	2.0	8.7625				19.951	58.41%	29.53 %
80	0.177	2.5	6.0935				26.0445	76.26%	20.53 %
105	0.135	3.0	2.5085				28.553	83.60%	8.45 %
170	0.088	3.5	.7982				29.3512	85.94%	2.69 %
250	0.0625	4.0	.3247				29.6759	86.89%	1.09 %
		~ 5	1.090				30.7659	91.79%	100.00 %
		~ 6	0.865				31.6309	94.35%	
		~ 7	0.585				32.2159	96.12%	
		~ 8	0.305				32.5209	97.02%	
		~ 9	0.210				32.7309	97.82%	

$$\text{Error } 1 - \left(\frac{2W_c}{W_s W_c} \right) \times 100 = 1.96\%$$

2 F.



SEDIMENT SIZE-FREQUENCY DISTRIBUTION

Sample No. 10-1 Analyst D. J. Keller Date 9 Oct 57

Sample description fine sand, 10 = 3/8 in. sieve

Washed - no aggregates

Summary of preliminary treatment wet-sieve for > 40 fraction; dry-sieve > 40 fraction; < 40 fraction retained on plate

Total sample weight (W_s) 29.365 g

Cumulative weight (W_c) 23.9839 g

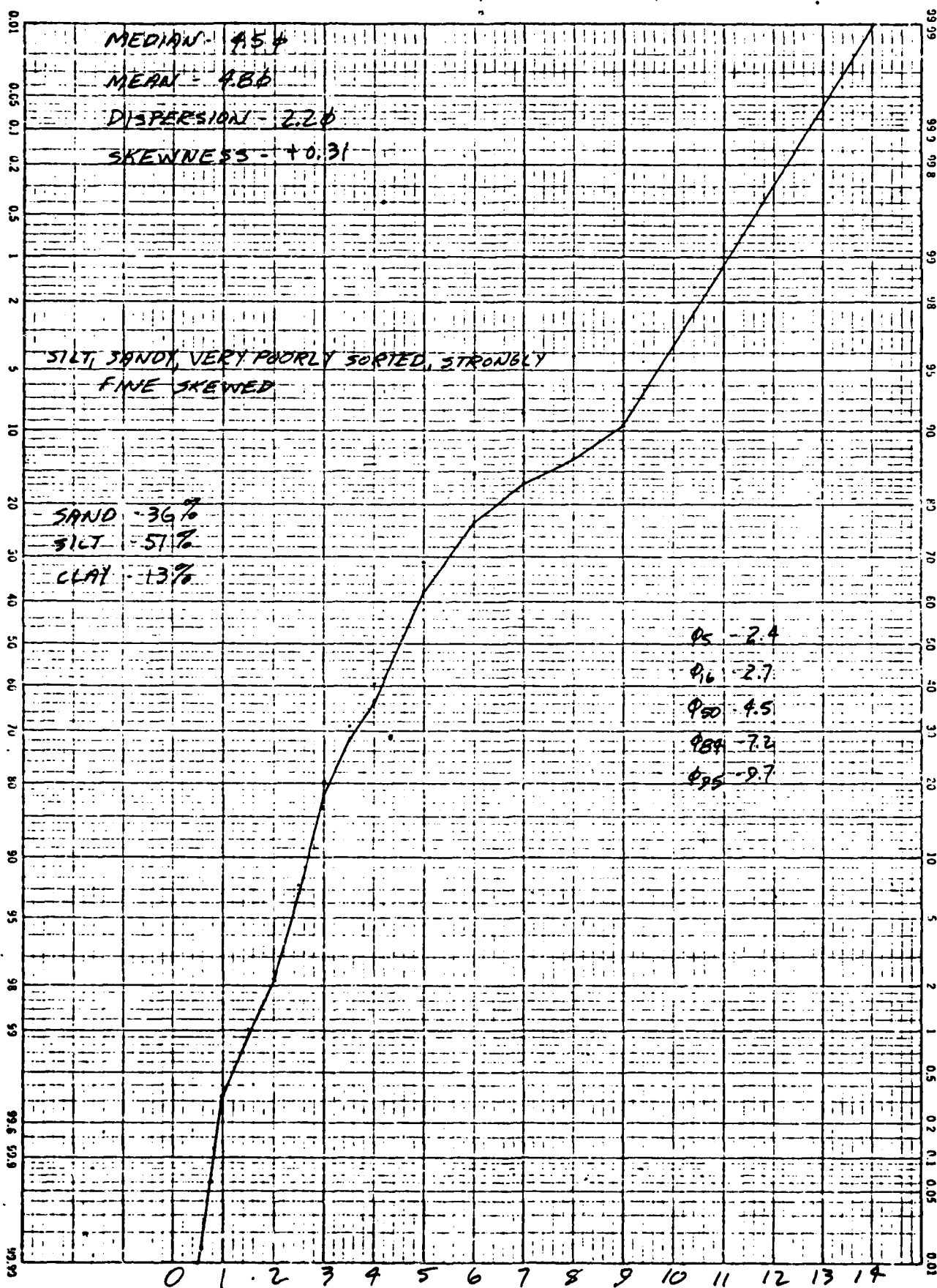
Weight of split sample _____

Mesh	Size mm.	ϕ	Weight	% aggregates	Splitting factor	Corrected weight	Cumulative weight	Cumulative percent	Individual percent
5	4	-2	0						
9	2	-1	0						
16	1	0	0						
30	0.6	0.2	0						
42	0.425	1.5	0.167				0.0870	0.36	0.57
60	0.25	2.0	0.34				0.2502	0.85	0.55
80	0.18	2.5	1.123				0.5162	2.25	1.31
100	0.15	3.0	3.0370				1.7705	6.65	4.43
150	0.106	3.5	3.6759				4.5085	10.37	10.35
200	0.075	4.0	2.645				7.4144	25.2	15.1
250	0.06	4.5	2.645				9.6484	36.45	8.10
	0.05	5	2.23				16.4784	62.25	25.60
	0.0425	5	2.23				20.3339	70.57	14.65
	0.0375	6	1.6750				22.0089	83.13	6.33
	0.0336	7	0.9800				22.9889	88.82	3.70
	0.03	8	0.9800				23.9689	90.60	3.58
	0.025	9	0.9800				23.9689	90.60	3.58

$$\text{Error } 1 - \left(\frac{2W_c}{W_s W_c} \right) \times 100 = 10.0\% = 5.17\%$$

52.341

10A



NAME Jeff CLYDE

DATE 9/26/81

DATE DUE

SAMPLE DESCRIPTION Core 10 ; Level C

Sandy with some organic
material 104R 4/2 dark
grayish brown

SIEVE SIZE			RAW WEIGHT	% AGGREGATES	SPLITTING FACTOR	COR- RECTED WEIGHT	CUMU- LATVE WEIGHT	CUMU- LATVE PERCENT	INDIVID- UAL PERCENT
MESH	MM.	φ							
5	4	-2	0				0	0	0
9	2	-1	0				0	0	0
16	1	0	.0452	← all			.0452	.13%	.13%
24	0.71	0.5	.0064	← organics			.0516	^{0.16} 15%	.02%
32	0.50	1.0	.0125	←			.0641	^{0.20} 18%	.04%
42	0.35	1.5	.0334	←			.0975	^{0.30} 27%	.09%
60	0.25	2.0	.4844				.5819	^{1.80} 1.63%	1.36%
80	0.177	2.5	6.4674				7.0493	^{21.81} 19.78%	18.15%
120	0.125	3.0	12.1474				19.1967	^{58.38} 53.87%	34.09%
170	0.088	3.5	4.8124				24.0091	^{72.20} 67.37%	13.50%
250	0.0625	4.0	1.5834				25.5925	^{79.17} 71.82%	4.44%
	>4.0 φ	used in	.4133				26.0058	72.98%	1.16%
		Pipette analysis!							

TOTAL SAMPLE WEIGHT (T_s) 35.6360 CUMULATIVE WEIGHT (T_c) 26.0058ERROR $(1 - \frac{2T_c}{T_s + T_c}) \times 100 = 4.55\%$

$$\frac{+ 6.53}{32.5358}$$

PIPETTE ANALYSIS

Sample No. 10C Analyst J. Clyde Date 10/16/81

Sample description _____

Summary of preliminary treatment _____

Concentration of dispersing agents 2.5% Calgon Volume of suspension 1000 ml

Weight of sample _____ Weight coarser than 4 ϕ (S) _____

Time zero 11:23:00

Size

F

1

2

3

4

5

Temperature

24°C

Settling distance

20 cm

10 cm

10 cm

10 cm

10 cm

5 cm

Settling time

.34 min

1.91 min

7.72 min

31 min

243 min

Time out

11:23:20

11:24:56

11:30:44

11:54:00

1:26:00

Volume of aliquot

20 ml

20 ml

20 ml

20 ml

20 ml

20 ml

Weight beaker and residue

27.1300

27.9315

28.8863

38.9985

28.8637

27.0955

Weight residue

.145

.077

.0436

.0311

.0197

.0107

Weight dispersing agent in aliquot

0.0103

0.0103

0.0103

0.0103

0.0103

0.0103

Weight sediment T

.1347

.0667

.0333

.0208

.0094

.0004

Total volume

1000 ml

1000 ml

1000 ml

1000 ml

1000 ml

1000 ml

Aliquot volume

20 ml

20 ml

20 ml

20 ml

20 ml

20 ml

P (or F) T.150

6.735

3.335

1.665

1.04

.47

.02

Weight size fraction

3.254

3.400

3.650

0.675

0.575

0.425

0.025

cumulative %

89.68

94.85

96.76

98.55

99.74

100.00

29.55

31.285

31.8575

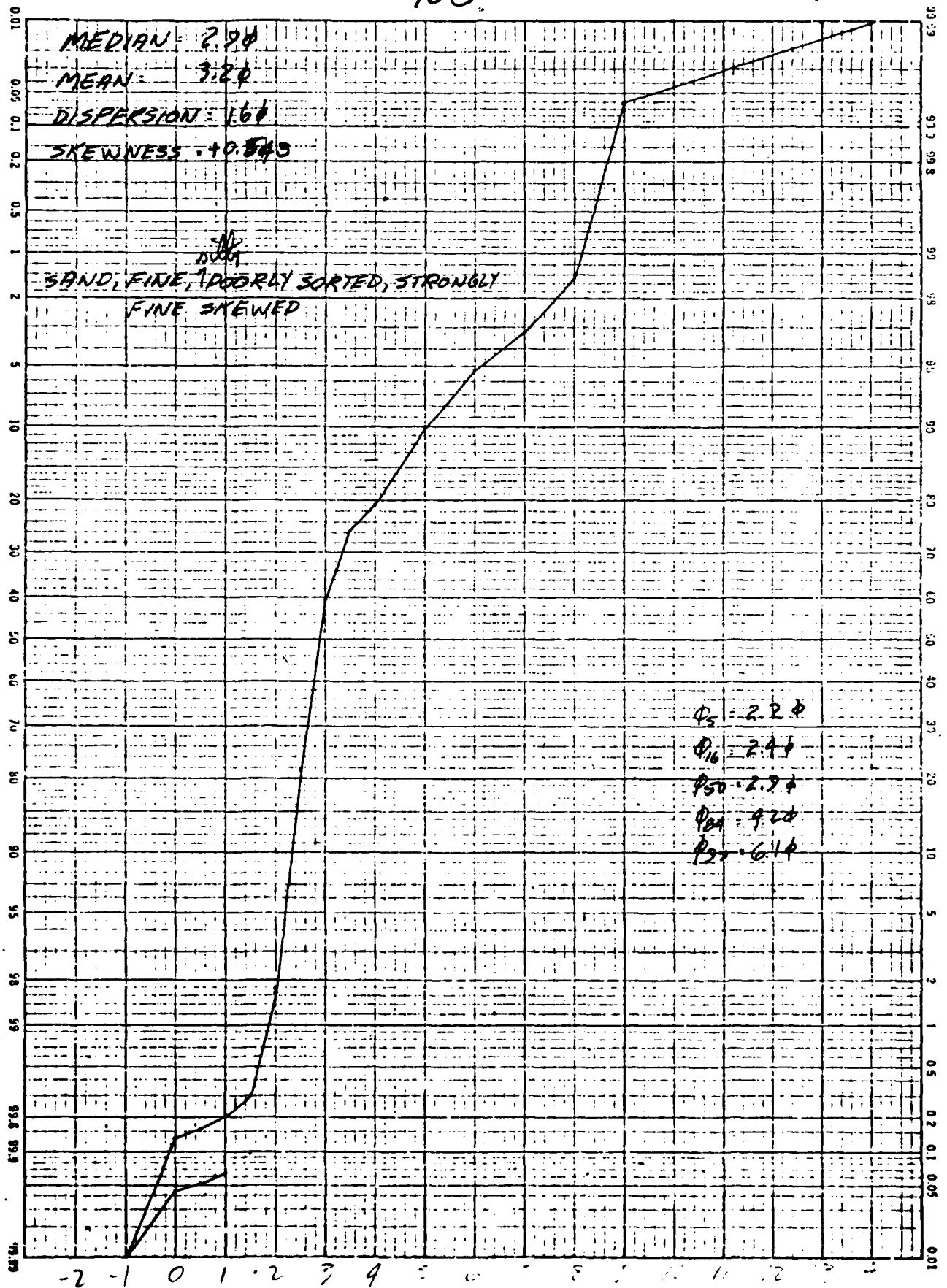
32.3075

32.3275

29.65

211 4.87%

100



SEDIMENT SIZE-FREQUENCY DISTRIBUTION

Sample No. 10 - L Analyst Don Heller Date 7 Oct 81

Sample description color (dry) : 4/8

Summary of preliminary treatment wet-sieve for > 4φ fraction; dry-sieve > 4φ fraction; < 4φ fraction retained for pipette

Total sample weight (W_s) 26.12537

Cumulative weight (W_c) 23.4002

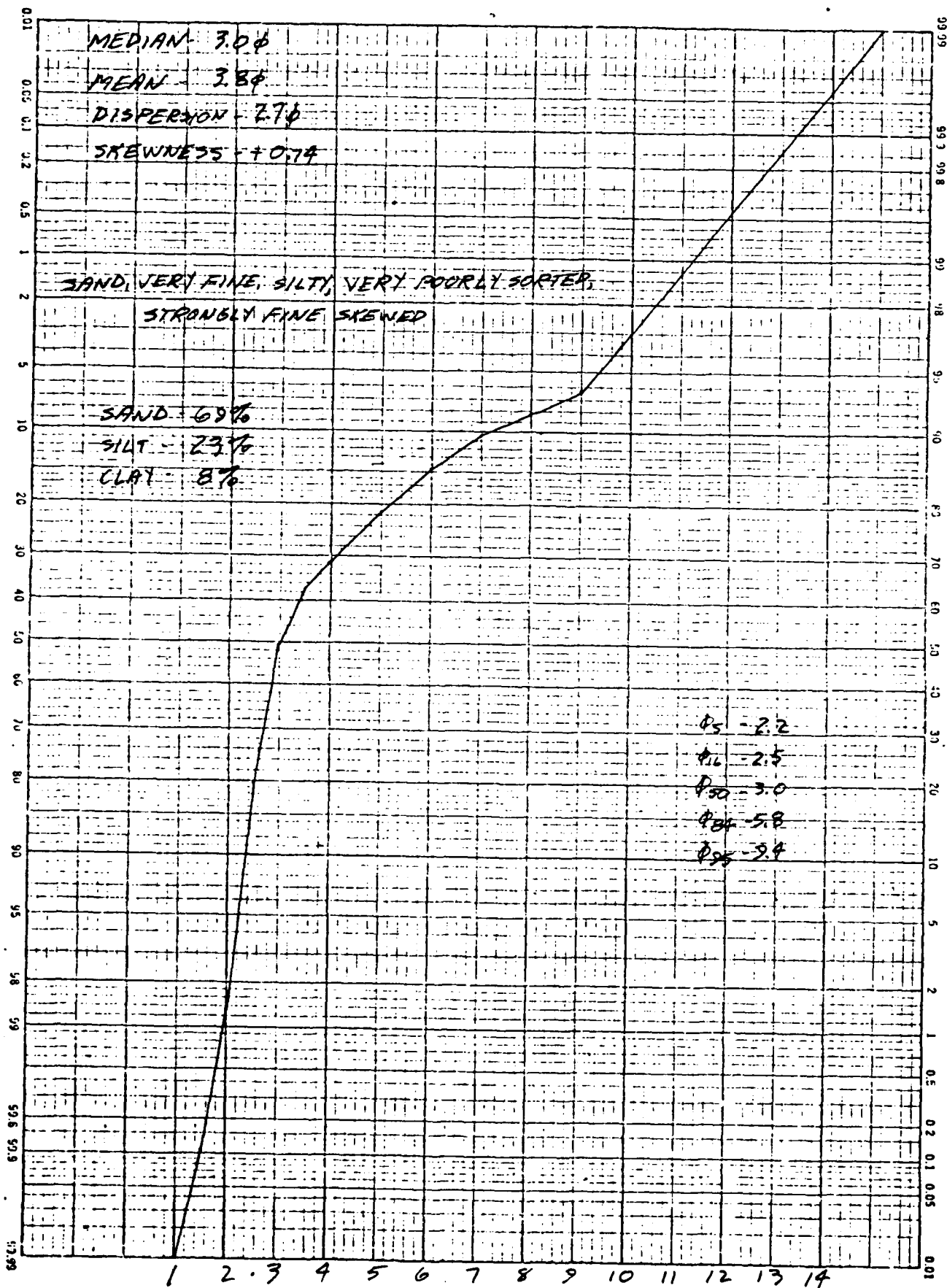
Weight of split sample _____

Mesh	Size mm.	φ	Weight	% aggre- gates	Splitting factor	Cor- rected weight	Cumu- lative weight	Cumu- lative percent	Indi- vidual percent
5	4	-2	Ø						
9	2	-1	Ø						
16	1	0	Ø						
30	0.75	0.5	Ø						
50	0.5	1.0	Ø						
75	0.35	1.5	0.0300				0.0302	0.12 %	0.12 %
100	0.35	2.0	0.3087				0.3389	1.29 %	1.18 %
150	0.177	2.5	4.5				4.9370	18.81 %	17.51 %
200	0.125	3.0	7.4838				12.4208	47.31 %	28.51 %
250	0.088	3.5	3.25				15.6474	59.60 %	12.27 %
300	0.0625	4.0	1.4408				17.0902	65.10 %	5.55 %
		N 5	2.5050				19.5952	78.52 %	9.54 %
		N 6	1.7500				21.3452	85.53 %	6.67 %
		N 7	1.0200				22.3652	89.62 %	3.84 %
		N 8	0.5200				22.8852	91.71 %	1.98 %
		N 9	0.5150				23.4002	93.77 %	1.96 %

23.4002 1.0550 4.801- 24.2052 6.23

$$\text{Error } 1 - \left(\frac{2W_c}{W_s W_c} \right) \times 100 = 5.74\% \quad 2.54\%$$

43.6534



NAME Jeff CLYDE

DATE 9/26/81

DATE DUE

SAMPLE DESCRIPTION Core 10; Level F

sandy with quite a bit of organic material
10 YR 4/2 dark gray/brown

SIEVE SIZE			RAW WEIGHT	% AGGREGATES	SPLITTING FACTOR	CORRECTED WEIGHT	CUMULATIVE WEIGHT	CUMULATIVE PERCENT	INDIVIDUAL PERCENT
MESH	MM.	φ							
5	4	-2	0				0	0	0
9	2	-1	0				0	0	0
16	1	φ	.074	← all organic			.074	.16%	.16%
24	0.71	0.5	.0314	← Largely organics			.1054	.23%	.07%
32	0.50	1.0	.0339				.1393	.30%	.07%
42	0.35	1.5	.0548				.1941	.42%	.12%
60	0.25	2.0	.3877				.5818	1.26%	.84%
80	0.177	2.5	6.0991				6.6809	14.49%	13.23%
120	0.125	3.0	13.8194				20.5003	44.48%	29.99%
170	0.088	3.5	6.3317				26.832	58.21%	13.74%
250	0.0625	4.0	2.668				29.50	64.00%	5.79%
	740 φ	used in	.7724				30.2724	65.68%	1.68%
		Pipette analysis							

TOTAL SAMPLE WEIGHT (T_s) 46.0913 CUMULATIVE WEIGHT (T_c) 30.2724

$$\text{ERROR} \left(1 - \frac{2T_c}{T_s + T_c}\right) \times 100 = 10.7\%$$

$$\begin{array}{r} 24\phi \\ + 15.54 \\ \hline 45.8124 \end{array}$$

PIPETTE ANALYSIS

Sample 10 F Analyst J. Clyde Date 10/16/81

Sample on

Summary primary treatment

Conc 5R dispersing agents 5R Volume of suspension 1000 ml

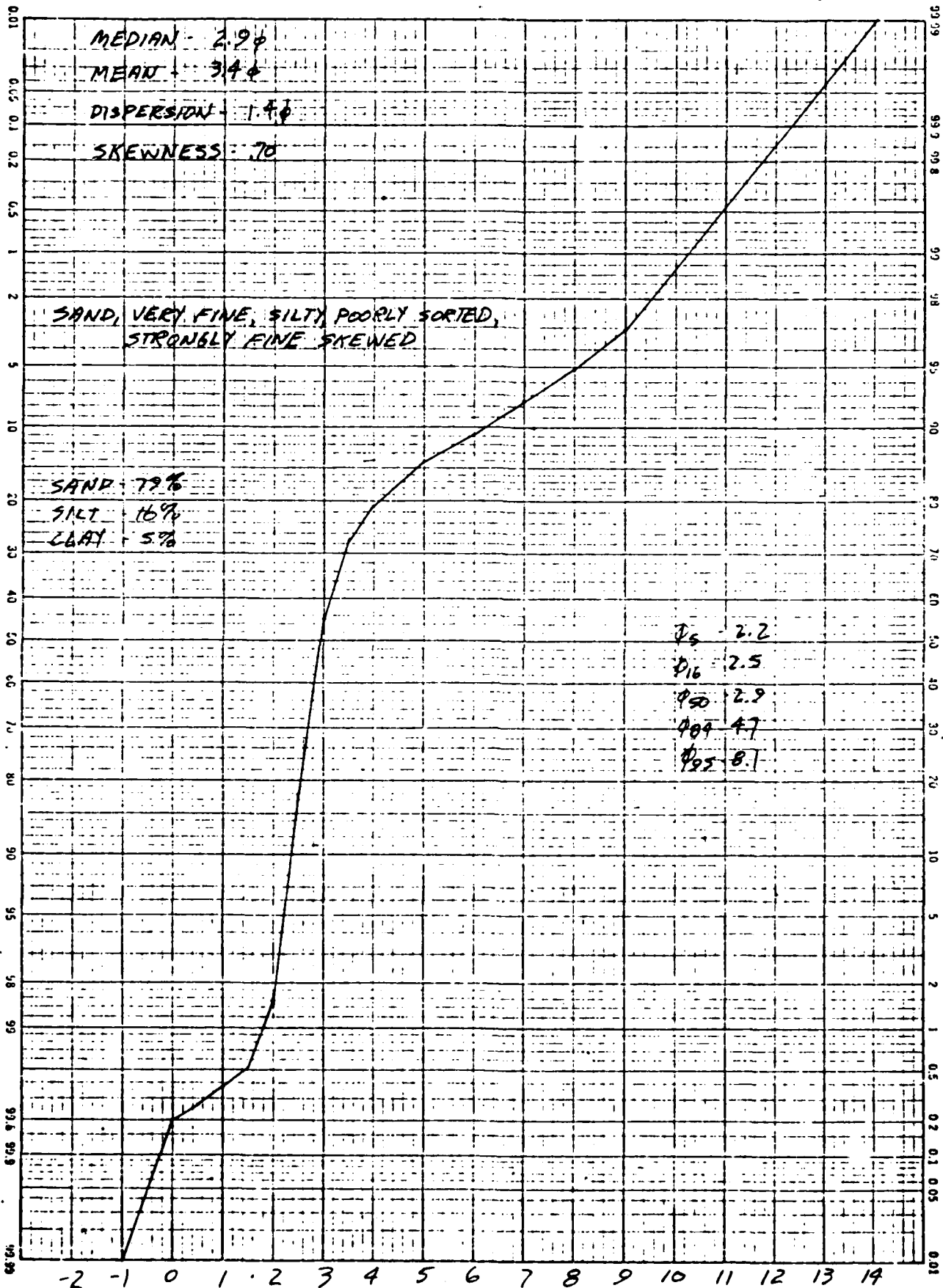
Weight 15.8189 g Weight coarser than 4 ϕ (S) 26.832

Time 15:00

Size F

Temp	24°C					
Sett	20 cm	10 cm	10 cm	10 cm	10 cm	5 cm
Sett	.34 min	1.91 min	7.72 min	31 min	2 H 3 min	4 H 6 min
Time	11:13.20	11:14.56	11:22.44	11:44.00	1:16:00	3:19:00
Volume	20 ml	20 ml	20 ml	20 ml	20 ml	20 ml
Weight and	28.0910	27.0320	28.2522	27.8695	34.4520	27.7492
Weight	.1652	.1163	.0934	.0687	.0494	.0345
Weight agent	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
Weight	.1549	.1060	.0831	.0584	.0391	.0242
Total	1000 ml	1000 ml	1000 ml	1000 ml	1000 ml	1000 ml
Aliq	20 mL	20 mL	20 mL	20 mL	20 mL	20 mL
P (or)	7.745	5.3	4.155	2.92	1.955	1.21
Weight fraction		2.445	1.145	1.235	0.745	1.210
Conc	31.255	33.255	34.255	35.255	36.255	37.155

10F



APPENDIX D: Site Survey Data Sheets: Pleistocene Terrace Sites

11 Jd 86	11 Jd 138
11 Jd 113	13 Db 59
11 Jd 114	13 JK 75
11 Jd 115	13 JK 77
11 Jd 135	

SITE SURVEY DATA SHEET

Great Lakes Archaeological Research Center, Inc.

County: Jo Daviess Township: Rice Site# 11Jd86

Section: 9 Town: 27N Range: 1E U.S.G.S. Quadrangle:

(To $\frac{1}{4}$, $\frac{1}{4}$ Section) S $\frac{1}{2}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$ and NE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$

overlay to SW $\frac{1}{4}$ of section.

U.T.M. Coordinates 4691300N, 713100-713250E

Name: Bellevue

Series: 7.5

Topo: X Plan:

Date: 1965

Owner: U.S. Army Corps of Engineers

Address: Rock Island, Illinois

Owner Occupied:

yes: no X

Site Priority (Potential for Destruction): High

Agency of Destruction: Agricultural

Type of Site: Habitation

Site Presence Determined From: Surface collection

Archaeological Sub-Surface Features: Unknown

Approximate Size (in Meters): N/S X E/W Drainage: Good

Size Determined From: Relief: gently rolling

Elevation (Feet Above Sea Level): 600 pH:

Topography (General Description of Site Environs): Pleistocene deposits

Nearby Water Source (Name if Known): Backwater area of Mississippi River

Confluence of:

Soil Type (From Soils Map): sand

Present Landuse Pattern: corn field

Cultural Materials From Site: flakes, Mr. Ray Miller (local collector) has Late

Archaic to Early Woodland points from site.

Location of Collections: GLARC, and Ray Miller

Source of Information: Published Unpublished X Reference

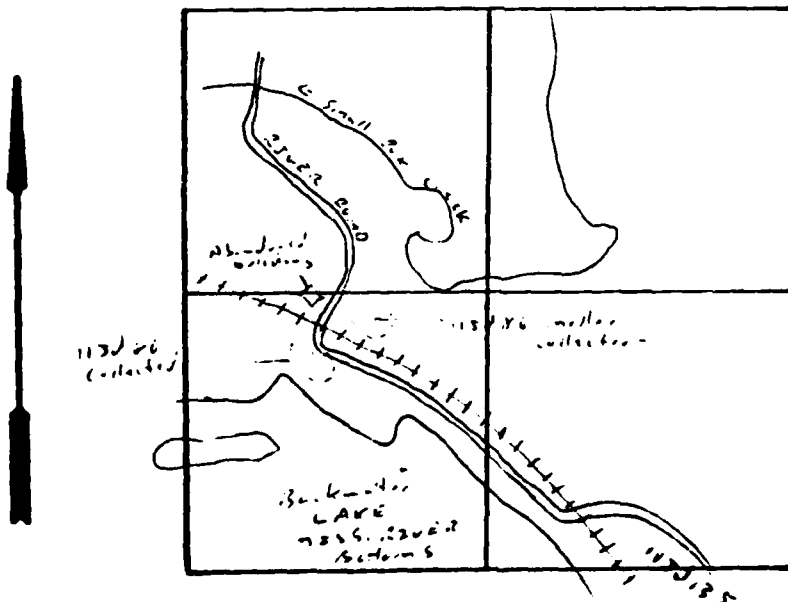
Pool 12 report

Actual Visit to Site X Correspondence Conversation X

Record Prepared by: Boszhardt Date: 8/4/81

Affiliation: Great Lakes Archaeological Research Center

Materials collected from sandy rise to west of place wher River Road crosses R.R. tracks. Miller has collected materials from here and across tracks. Site originally reported by University of Wisconsin-Milwaukee.



Great Lakes Archaeological Research Center, Inc.

Site# 11 Jd-113

U.S.G.S. Quadrangle:

Name: Bellevue

Series: 7.5

Topo: XX Plan:

Date: 1968

Owner Occupied:

yes: no:

Agency of Destruction: activities associated with campers

Type of Site: habitation

Site Presence Determined From: surface collection

Archaeological Sub-Surface Features:

Approximate Size (in Meters): N/S I E/W

Drainage: good

Size Determined From:

Relief: level

Elevation (Feet Above Sea Level): 615

pH:

Topography (General Description of Site Environs):

pleistocene outwash deposits

Nearby Water Source (Name if Known): Mississippi

~~River Floodplain Slough~~

Confluence of:

Soil Type (From Soils Map): sand

Present Landuse Pattern: Campground

Cultural Materials From Site: 1 bone fragment; 2 pcs. fire cracked rock;
1 chert scraper; 2 chert bifaces; 2 points, 1 contracting stem; approx
150 flakes & shatter

Location of Collections: GLARC

Source of Information: Published _____ Unpublished X Reference _____
 field notes; directed to site by George Bausmen (Milwaukee)-former coll

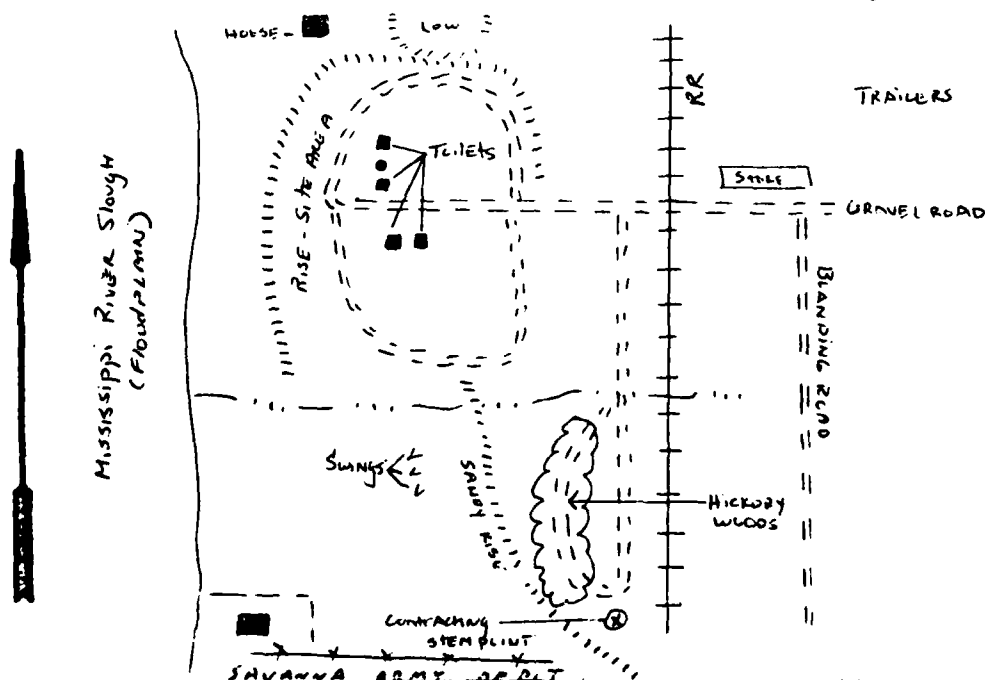
Actual Visit to Site	Correspondence	Conversation
✓	✓	✓

Record Prepared by: Boszhardt/Welch

Date: 7/1/81

Affiliation: GLARC

Approx. 5/8 mile north of Lock & Dam 12 on Illinois bank of Upper Mississippi River. Less than 1/16 mile west of RR tracks at site of Blanding Landing. Material collected from shoreline & bank along a gradually elevated area. Historic materials in area along with modern gravel road on rise. Cultural affiliation- Early Woodland (?)



SITE SURVEY DATA SHEET

Great Lakes Archaeological Research Center, Inc.

County: Jo Daviess Township: West Galena Site# 11 Jd-114

Section: NW,SW,SW Sec.26 Town: 28 N Range: 1 W U.S.G.S. Quadrangle:

(To $\frac{1}{4}$, $\frac{1}{4}$ Section)

U.T.M. Coordinates 4696175N, 708575E

Name: Galena

Series: 7.5

Topo: yy Plan:

Date: 1968

Owner: Leon Einsweiler

Address: Ferry Landing Road, Galena, IL

Owner Occupied:

yes: X no:

Site Priority (Potential for Destruction): High

Agency of Destruction: Cultivation

Type of Site: habitation, workshop

Site Presence Determined From: surface collection

Archaeological Sub-Surface Features:

Approximate Size (in Meters): N/S 100 x E/W 100 Drainage: good

Size Determined From: distribution of artifacts Relief: gently sloping

Elevation (Feet Above Sea Level): 610 pH:

Topography (General Description of Site Environs): pleistocene terrace

Nearby Water Source (Name if Known):

Confluence of:

Soil Type (From Soils Map): sand

Present Landuse Pattern: agriculture, corn field RE

Cultural Materials From Site: 1 small charred bone fragment (mammal); chert flakes, bifaces, 1 expanding stem point; pottery (all grit tempered, some cord marked, some plain); cobbles. Also historic debris not collected.

Location of Collections: GLARC

Source of Information: Published Unpublished Reference

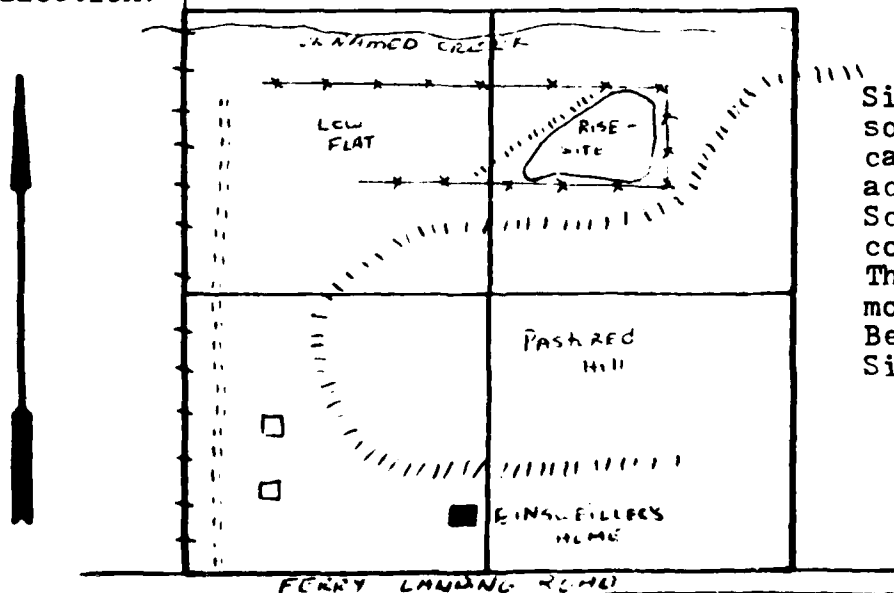
Directed to site by Ray Miller, local collector

Actual Visit to Site X Correspondence Conversation

Record Prepared by: Boszhardt Date: 6/29/81

Affiliation: GLARC

Materials collected from sandy rise at the eastern end of a small corn field. Field is located near the mouth of a small valley (unnamed drainage), 1/8 of a mile NW of the place where Ferry Landing Rd. crosses the RR tracks along the Illinois Bluff line. Cultural affiliation: Late Archaic and Late Middle Woodland. Miller's collection includes expanding stem, contracting stem and side notched points, drills, bifaces, scrapers and 1 rocker stamped sherd. A black & white photo was taken of this collection.



Site is located just south of mounds located on bluff top, according to Bob Schubert (personal communication 6/17/81). These may be the same mounds reported by Bennett (1945) p. 11, Simonds Group.

SITE SURVEY DATA SHEET

Great Lakes Archaeological Research Center, Inc.

County: Jo Daviess Township: Dunlieth Site# 11 Jd-115

Section: SW, SW, SE Sec 34 Town: 29 N Range: 2 W U.S.G.S. Quadrangle:
(To $\frac{1}{4}$, $\frac{1}{4}$ Section) & NW, NW, NE Sec. 3 T28N, R2W Name: Menominee

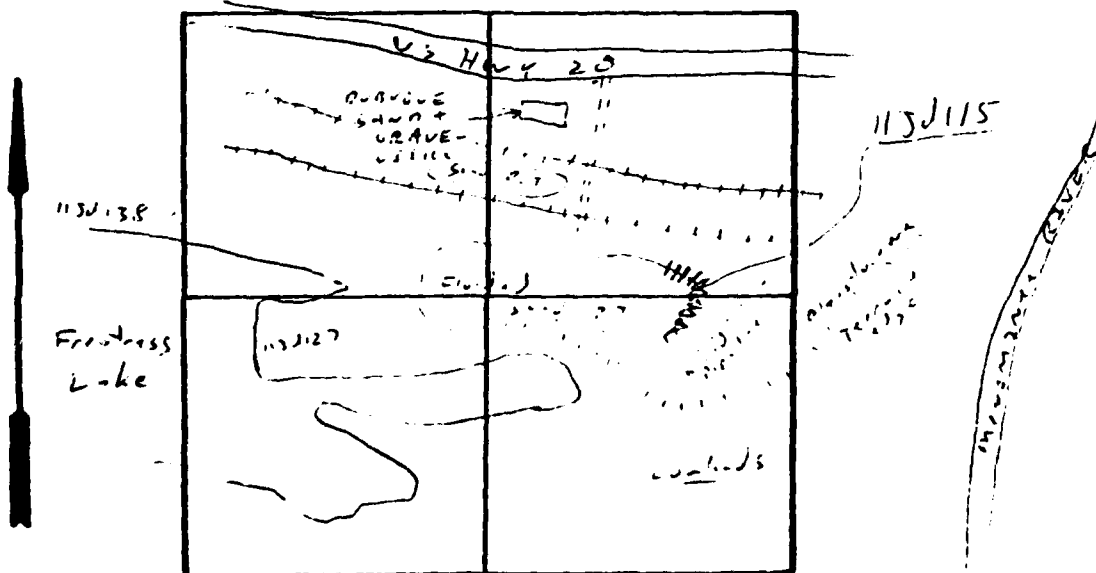
U.T.M. Coordinates 4703750N, 698180E Series: 7.5
Topo: X Plan:
Date: 1965, 1972

Owner: Dubuque Sand & Gravel Owner Occupied:
Address: Est Dubuque, IL yes: X no:

Site Priority (Potential for Destruction): Mostly destroyed - Immament
Agency of Destruction: quarrying activities
Type of Site: habitation
Site Presence Determined From: surface collection
Archaeological Sub-Surface Features: possible pit features
Approximate Size (in Meters): N/S X E/W Drainage: good
Size Determined From: Relief: present relief is nat
Elevation (Feet Above Sea Level): 615 pH: natural-highly disturbed
Topography (General Description of Site Environs): pleistocene outwash
Nearby Water Source (Name if Known): present mouth of Memoninee River
Confluence of: Menominee River & Frentriss Lake Slough
Soil Type (From Soils Map): sand & gravel
Present Landuse Pattern: quarry
Cultural Materials From Site: chert flakes;

Location of Collections: Great Lakes Arch. Research Center
Source of Information: Published Unpublished X Reference
Pool 12 Survey Report
Actual Visit to Site X Correspondence Conversation
Record Prepared by: Boszhardt Date: 7/9/82
Affiliation: Great Lakes Arch. Research Center

Pleistocene terrace overlooking present mouth of the Menominee River. Site is at the south end of the terrace which continues to the north and forms the east side of Frentriss Lake. Located 1/3 mile southwest of U.S. HWY. 20, 1/3 mile east of present course of Menominee River. Much of site has been destroyed from sand and gravel quarrying. Only small strip remains along strip of land left where buried pipeline lay.



SITE SURVEY DATA SHEET

Great Lakes Archaeological Research Center, Inc.

County: Lo Daviess Township: Rice Site# 11Jd135

Section: 16 Town: 27N Range: 1E U.S.G.S. Quadrangle:

(To $\frac{1}{4}$, $\frac{1}{4}$ Section) W $\frac{1}{2}$, NE $\frac{1}{4}$ Name: Bellevue

Series: 7.5

Topo: XX Plan:

Date: 1968

U.T.M. Coordinates 4600550 4600800 713700 713875

Owner: Frank Johnson (tenant farmer)

Address: _____

Owner Occupied:

yes: no: X

Site Priority (Potential for Destruction): High

Agency of Destruction: Agricultural

Type of Site: Habitation/workshop

Site Presence Determined From: surface collection, collector interview

Archaeological Sub-Surface Features: unknown

Approximate Size (in Meters): N/S 600 X E/W 75 Drainage: Good

Size Determined From: surface collection Relief: level/undulating

Elevation (Feet Above Sea Level): 620 pH: _____

Topography (General Description of Site Environs): Pleistocene deposits

Nearby Water Source (Name if Known): Backwater area of Mississippi River

Confluence of: _____

Soil Type (From Soils Map): Sand

Present Landuse Pattern: Agricultural

Cultural Materials From Site: Numerous chert flakes, Mr. Ray Miller (local collector has Havana Ware ceramics and expanding stem point from south end of site.

Location of Collections: G.L.A.R.C. ; Mr. Ray Miller

Source of Information: Published Unpublished XX Reference

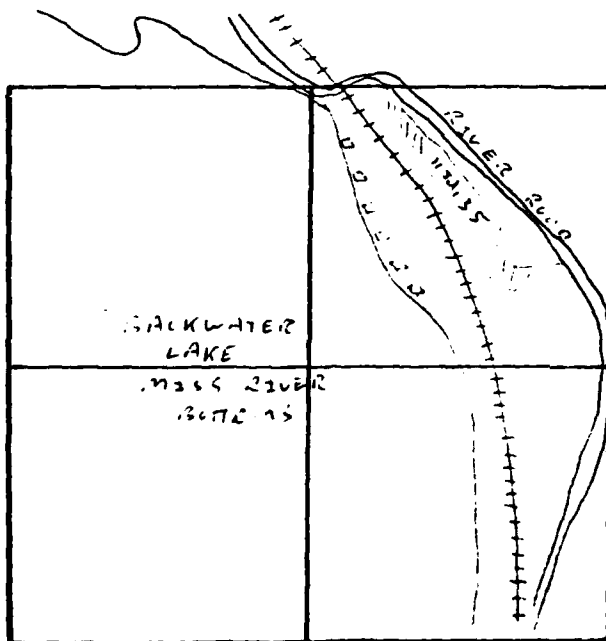
Pool 12 report

Actual Visit to Site XX Correspondence Conversation y

Record Prepared by: Boszhardt Date: 8/4/81

Affiliation: Great Lakes Arch. Research Center.

Site located on sandy rise along River Road. Material concentrations at north and south ends, may reflect land use survey bias (i.e. grassy area between). Site is between River Road and R.R. tracks.



Site 16

TABLE 2 HAS
material from
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SITE SURVEY DATA SHEET

Great Lakes Archaeological Research Center, Inc.

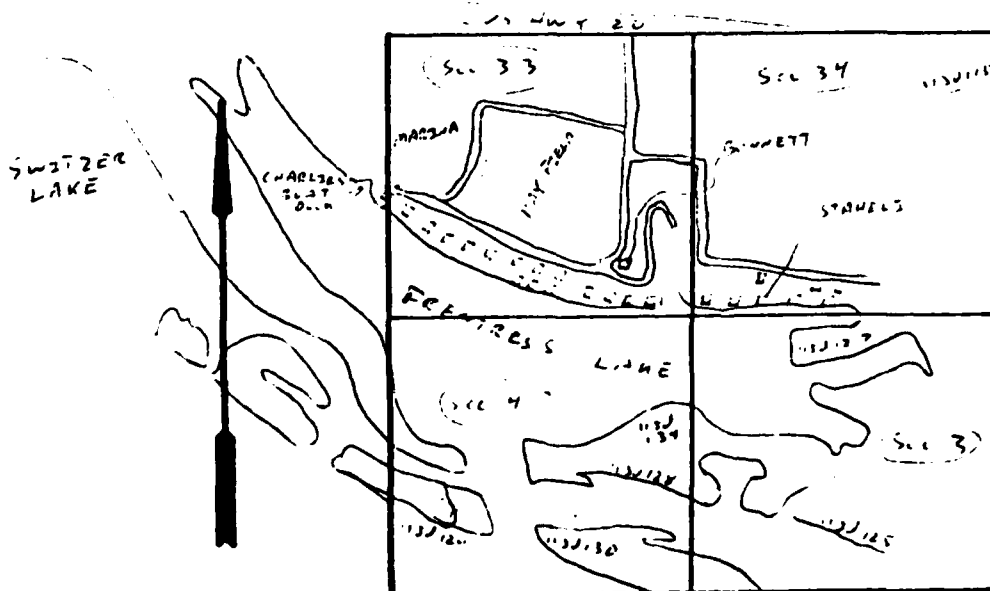
County: Jo Daviess Township: Dunlieth Site# 11Jd138
 Section: 33 and 34 Town: 29N Range: 2W U.S.G.S. Quadrangle:
 (To $\frac{1}{4}$ Section) SE $\frac{1}{4}$, SE $\frac{1}{4}$ and NE $\frac{1}{4}$, S $\frac{1}{4}$, SE $\frac{1}{4}$ Sec. 33 Name: Menominee
S $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$ and SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$ Sec. 34 Series: 1
 U.T.M. Coordinates 4703750-4704300N, 696100-697400E Topo: X Plan:
 Date: 1975, 1972

Owner: Bonnett and numerous residences Owner Occupied:
 Address: yes: X no:

Site Priority (Potential for Destruction): High
 Agency of Destruction: Shore erosion and resident activity
 Type of Site: Habitation
 Site Presence Determined From: Shoreline collection and resident interview
 Archaeological Sub-Surface Features: unknown
 Approximate Size (in Meters): N/S X E/W Drainage: Good
 Size Determined From: Relief: level
 Elevation (Feet Above Sea Level): 610-615' pH:
 Topography (General Description of Site Environs): Pleistocene terrace
 Nearby Water Source (Name if Known): Frentress Lake in Mississippi R. bottoms
 Confluence of:
 Soil Type (From Soils Map): Sand and Gravel
 Present Landuse Pattern: residences and agricultural
 Cultural Materials From Site: Numerous flakes, several pottery sherds, a few bifaces, one triangular point. Late Archaic to Late Woodland points in Staheli collection.

Location of Collections: G.L.A.R.C. ; Chet Staheli local resident.
 Source of Information: Published Unpublished X Reference
Pool 12 report
 Actual Visit to Site X Correspondence Conversation X
 Record Prepared by: Boszhardt Date: 7/28/81
 Affiliation: Great Lakes Archaeological Research Center

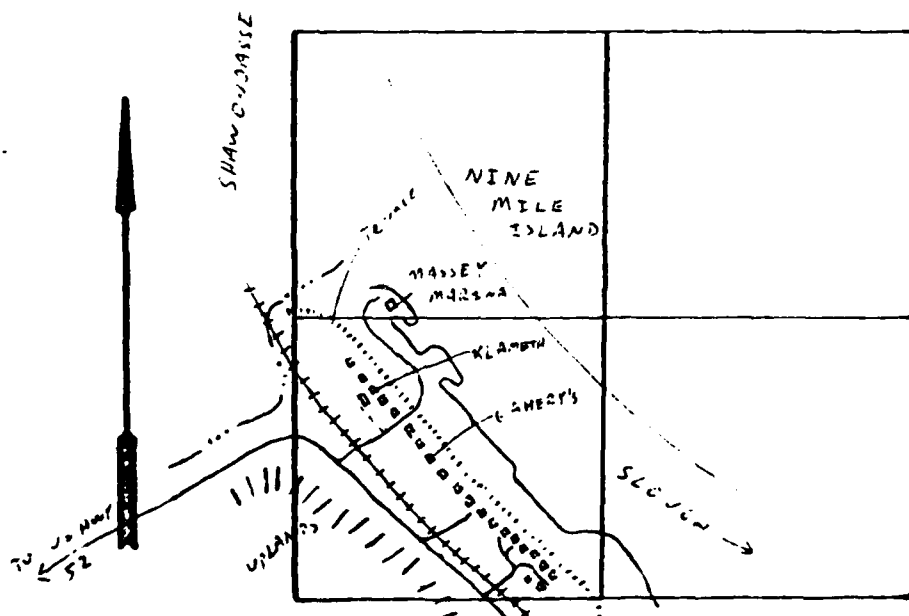
Site is located on the south edge of a pleistocene terrace which forms the north side of Frentress Lake. $\frac{1}{2}$ miles south of U.S. HWY. 20, $\frac{1}{2}$ mile east of Menominee River. 11Jd115 is located on same terrace to the south. Multicomponent site. Cultural deposits probably all near surface. Much disturbance from numerous residences and erosion. Possibility of undisturbed portions or features in yard areas of the residences.



11Jd138
 11Jd139
 11Jd140
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 11Jd142
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 11Jd199
 11Jd200

Great Lakes Archaeological Research Center, Inc.

Site Priority (Potential for Destruction): Medium
Agency of Destruction: development (house construction)
Type of Site: Habitation
Site Presence Determined From: Surface collection, land owner interview
Archaeological Sub-Surface Features: unknown
Approximate Size (in Meters): N/S ? X E/W ? Drainage: Excellent
Size Determined From: Relief: level
Elevation (Feet Above Sea Level): 640 pH:
Topography (General Description of Site Environs): Pleistocene terrace (high)
Nearby Water Source (Name if Known): Massey Slough in Mississippi River
Confluence of:
Soil Type (From Soils Map): Sand and gravel
Present Landuse Pattern: residences
Cultural Materials From Site: flakes. Contracting and expanding stem point in collection of Mr. Ed Gaherty, and Durst point in collection of Mr. J. Klameth both local residents.
Location of Collections: Great Lakes Archaeological Research Center
Source of Information: Published _____ Unpublished X Reference _____
Pool 12 report
Actual Visit to Site X Correspondence _____ Conversation X
Record Prepared by: Boszhardt-Welch 8/3/61 Date: _____
Affiliation: Great Lakes Archaeological Research Center
Components represented by collectors points indicate Late Archaic-late Middle Woodland.



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SITE SURVEY DATA SHEET

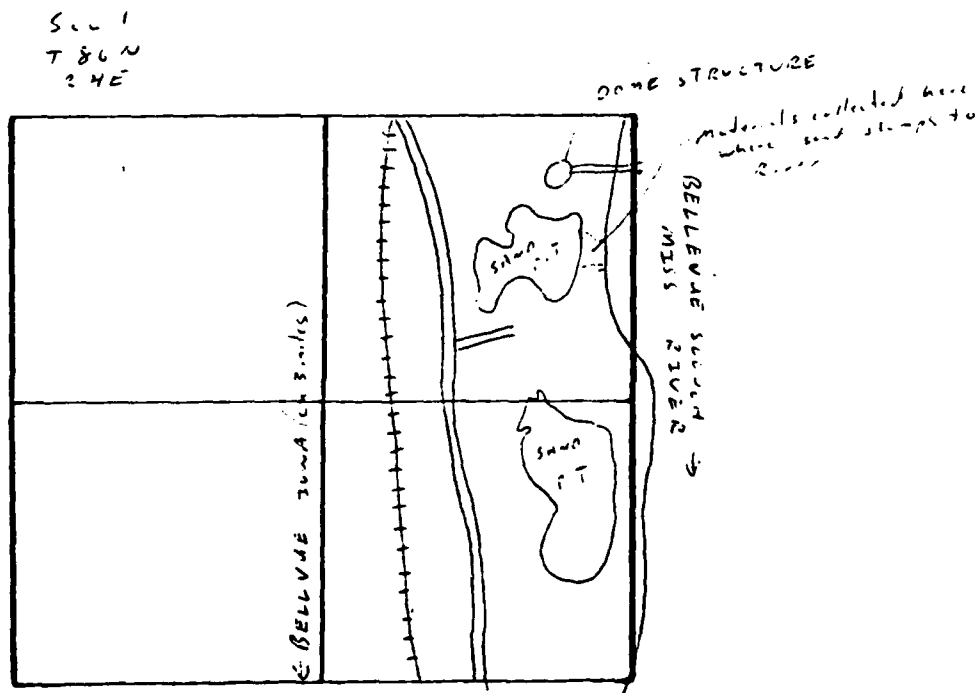
Great Lakes Archaeological Research Center, Inc.

County: Jackson (Iowa) Township: Bellvue Site# 13JK75
 Section: 1 Town: 86N Range: 4E U.S.G.S. Quadrangle:
 (To $\frac{1}{4}$, $\frac{1}{4}$ Section) NE₁, SE₁, NE₂ Name: Bellevue
 U.T.M. Coordinates 4685000N, 711600E Series: 7.5
 Topo: X Plan:
 Date: 196c
 Owner: Bellvue Sand and Gravel Owner Occupied:
 Address: yes: no: XX

Site Priority (Potential for Destruction): High
 Agency of Destruction: quarrying, erosion
 Type of Site: Workshop, habitation(?)
 Site Presence Determined From: surface collection
 Archaeological Sub-Surface Features: Unknown
 Approximate Size (in Meters): N/S ? X E/W ? Drainage: excellent
 Size Determined From: Relief: undulating
 Elevation (Feet Above Sea Level): 640 pH:
 Topography (General Description of Site Environs): High pleistocene terrace
 Nearby Water Source (Name if Known): Bellvue Slough of Mississippi River
 Confluence of:
 Soil Type (From Soils Map): Sand and gravel
 Present Landuse Pattern: sand and gravel quarrying
 Cultural Materials From Site: lithic debitage

Location of Collections: Great Lakes Archaeological Research Center
 Source of Information: Published Unpublished X Reference
Pool 12 report
 Actual Visit to Site X Correspondence Conversation
 Record Prepared by: Boszhardt Date: 9/1/81
 Affiliation: G.L.A.R.C.

Unknown component affiliation
 Site has already been highly disturbed from quarrying. Materials were collected from narrow rim of quarry pit along River where sand is seen slumping. 13JK6 may be related.



SITE SURVEY DATA SHEET

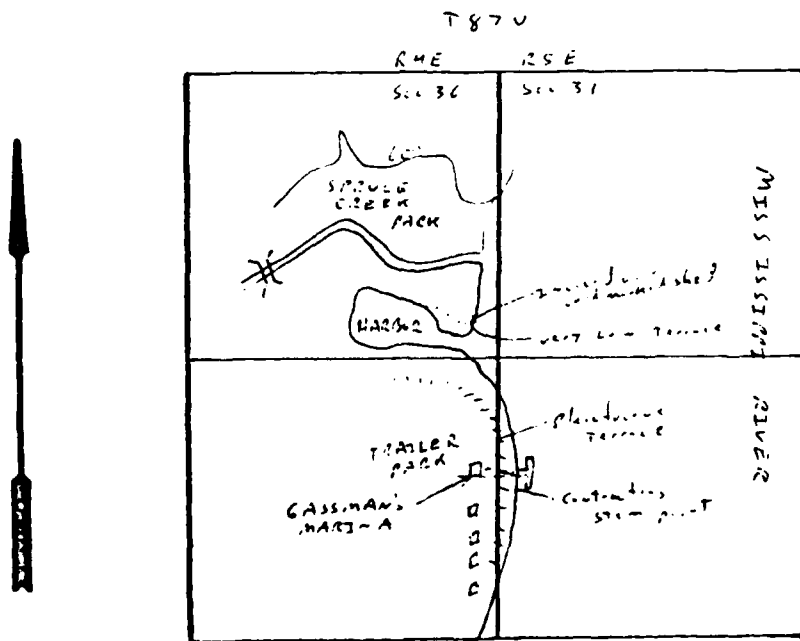
Great Lakes Archaeological Research Center, Inc.

County: Jackson (Iowa) Township: Tete des Morts Site# 13Jk77
 Section: 31-36 Town: 87N Range: 4-5E U.S.G.S. Quadrangle:
 (To $\frac{1}{4}$ Section) E $\frac{1}{4}$, NE $\frac{1}{4}$ Sec. 36 (R4E) Name: Bellevue
W $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$ Sec. 31 (R5E) Series: 7.5
 U.T.M. Coordinates 4686000-4686300N, 711580-711650E Topo: XX Plan:
 Date: 1968
 Owner: Gassman's Marina, Spruce Creek County Park Owner Occupied:
 Address: _____ yes: X no: _____

Site Priority (Potential for Destruction): High
 Agency of Destruction: erosion, resident activity, development
 Type of Site: habitation
 Site Presence Determined From: Shoreline collection
 Archaeological Sub-Surface Features: unknown
 Approximate Size (in Meters): N/S ? X E/W ? Drainage: Good
 Size Determined From: _____ Relief: level
 Elevation (Feet Above Sea Level): 600 pH: _____
 Topography (General Description of Site Environs): Pleistocene terrace and low terrace
 Nearby Water Source (Name if Known): Bellvue Slough in Mississippi River
 Confluence of: Mouth of Spruce Creek to Miss. River
 Soil Type (From Soils Map): Sand and gravel, silts
 Present Landuse Pattern: resident, park
 Cultural Materials From Site: 1 contracting stem point, 1 incised over cord marked body sherd, flakes, cores.

Location of Collections: Great Lakes Archaeological Research Center
 Source of Information: Published Unpublished XX Reference
Pool 12 report
 Actual Visit to Site X Correspondence _____ Conversation _____
 Record Prepared by: Boszhardt Date: 8/20/81
 Affiliation: Great Lakes Arch. Research Center
Early-Middle Woodland

Site occupies river edge of pleistocene terrace to south of Spruce Creek Park, and materials also collected from low silt terrace in Spruce Creek Bottom just north of dredged Spruce Creek Harbor.



Site Survey Data Sheets: Backwater Lake Sites

11 Jd 121	11 Jd 127
11 Jd 122	11 Jd 132
11 Jd 123	11 Jd 134

SITE SURVEY DATA SHEET

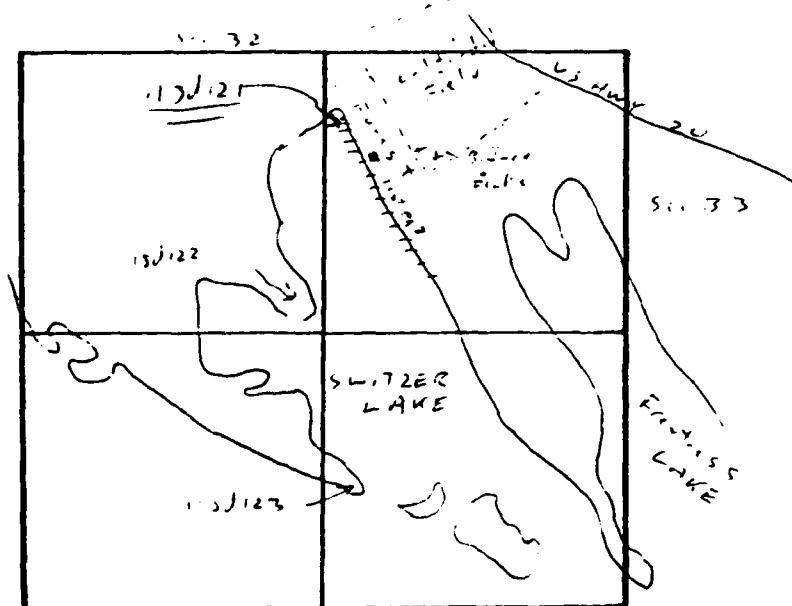
Great Lakes Archaeological Research Center, Inc.

County: Jo Daviess Township: Dunlieth Site# 11Jd121
 Section: 33 Town: 29N Range: 2W U.S.G.S. Quadrangle:
 (To $\frac{1}{4}$, $\frac{1}{4}$ Section) SW $\frac{1}{4}$, NW $\frac{1}{4}$, and NW $\frac{1}{4}$, SW $\frac{1}{4}$ Name: Menominee
 U.T.M. Coordinates 4704500-4704900N, 695400-695600E Series: 7.5
 Topo: X Plan:
 Date: 1955, 1972
 Owner: U.S. Army Corps of Engineers Owner Occupied:
 Address: Rock Island, Illinois yes: no: X

Site Priority (Potential for Destruction): High
 Agency of Destruction: Shoreline erosion and agricultural
 Type of Site: Habitation
 Site Presence Determined From: Shoreline and surface collection
 Archaeological Sub-Surface Features: unknown
 Approximate Size (in Meters): N/S 300 X E/W 75 Drainage: fair
 Size Determined From: surface collection Relief: level
 Elevation (Feet Above Sea Level): 595-600 pH:
 Topography (General Description of Site Environs): lowland floodplain
 Nearby Water Source (Name if Known): Switzer Lake in Miss. R. bottoms
 Confluence of:
 Soil Type (From Soils Map): silt overlying sand silty loam
 Present Landuse Pattern: forest and agricultural
 Cultural Materials From Site: flakes, scrapers, side-notched triangular point

Location of Collections: Great Lakes Archaeological Research Center
 Source of Information: Published Unpublished X Reference
Pool 12 report
 Actual Visit to Site X Correspondence Conversation
 Record Prepared by: Boszhardt Date: 8/20/81
 Affiliation: G.L.A.R.C.

Site located on east shore of Switzer Lake. Materials collected from eroding shore at northern end and from cultivated field ca. 50 meters to east. One 2x2 meter test pit excavated. Materials from test pit restricted to upper 40-50 cm. Top 35 cm indicated former plowing. This is verified by pre- Lock and Dam maps. 695400-695600E



SITE SURVEY DATA SHEET

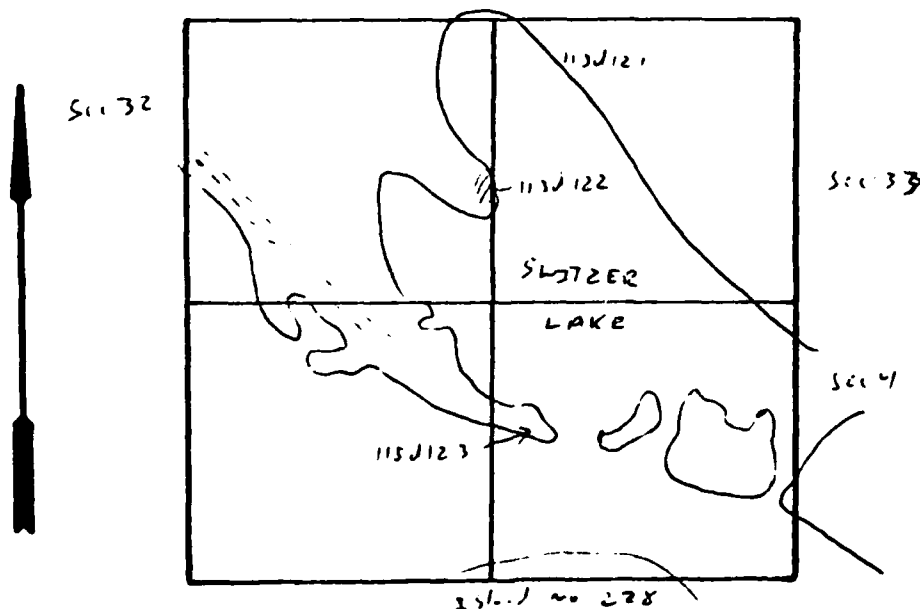
Great Lakes Archaeological Research Center, Inc.

County: Jo Daviess Township: Dunlieth Site# 11Jd122
 Section: 2 32 and 33 Town: 29N Range: 2W U.S.G.S. Quadrangle:
 (To 1,1 Section) SE₁, SE₄, NE₁ Sec. 32 Name: Menominee
SW₁, SW₄, NW₁ Sec. 33 Series: 7.5
 U.T.M. Coordinates 470-600N, 695270E Topo: yy Plan:
 Date: 10-5, 1972
 Owner: U.S. Army Corps of Engineers Owner Occupied:
 Address: Rock Island, Illinois yes: no no: XX

Site Priority (Potential for Destruction): Medium
 Agency of Destruction: Shoreline erosion
 Type of Site: Habitation
 Site Presence Determined From: Shoreline surface collection
 Archaeological Sub-Surface Features: Probable
 Approximate Size (in Meters): N/S 50 X E/W 50 Drainage: poor
 Size Determined From: Shoreline collection Relief: level
 Elevation (Feet Above Sea Level): 600 pH:
 Topography (General Description of Site Environs): Lowland floodplain
 Nearby Water Source (Name if Known): Switzer Lake in Mississippi R. bottoms
 Confluence of:
 Soil Type (From Soils Map): Silt- silty loam
 Present Landuse Pattern: Forest
 Cultural Materials From Site: Flakes, FCR, 1 pottery sherd

Location of Collections: Great Lakes Archaeological Research Center
 Source of Information: Published Unpublished X Reference
Pool 12 report
 Actual Visit to Site X Correspondence Conversation
 Record Prepared by: Boszhardt Date: 8/20/81
 Affiliation: G.L.A.R.C.

Materials collected from slightly eroded shore of peninsula at north side of Switzer Lake. Probable feature (concentration of burned limestone) observed on shore.



SITE SURVEY DATA SHEET

Great Lakes Archaeological Research Center, Inc.

County: Jo Daviess Township: Dulieth Site# 11Jd127

Section: 33 Town: 29N Range: 2W U.S.G.S. Quadrangle:

(To $\frac{1}{4}$ Section) SW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$ Name: Wendover

U.T.M. Coordinates 4704180N, 695400 Series: 7

Owner: U.S. Army Corps of Engineers Topo: yy Plan:

Address: Rock Island, Illinois Date: 1.15.1972

Owner Occupied:
yes: no no: XX

Site Priority (Potential for Destruction): High

Agency of Destruction: Shoreline erosion

Type of Site: unknown

Site Presence Determined From: Shoreline surface collection

Archaeological Sub-Surface Features: unknown

Approximate Size (in Meters): N/S X E/W Drainage: fair

Size Determined From: Relief: undulating

Elevation (Feet Above Sea Level): 505-600 pH:

Topography (General Description of Site Environs): levee formation in lowland floodplain

Nearby Water Source (Name if Known): Switzer Lake (outlet)

Confluence of:

Soil Type (From Soils Map): silts overlying sand

Present Landuse Pattern: forest, residence (cottage)

Cultural Materials From Site: one chert flake

Location of Collections: Great Lakes Archaeological Research Center

Source of Information: Published Unpublished yy Reference

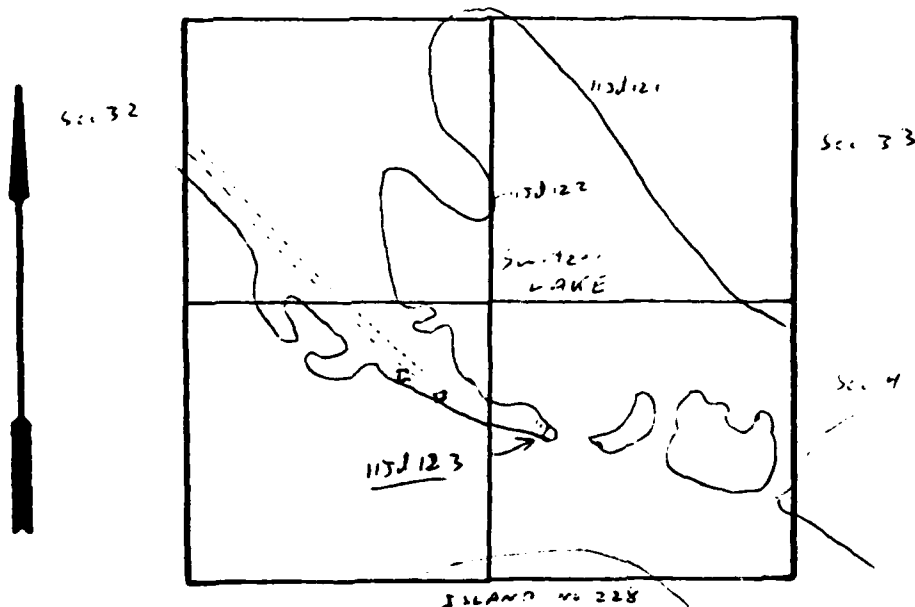
Pool 12 report

Actual Visit to Site x Correspondence Conversation

Record Prepared by: Boszhardt Date: 8/18/81

Affiliation: G.L.A.R.C.

Site is located at south end of levee at outlet of Switzer Lake. Levee is being severely eroded on west side where side channel of river is cutting. Levee contains several cottages and houses to the north to East Dubuque. It is not known how far to the north the site may continue.



SITE SURVEY DATA SHEET

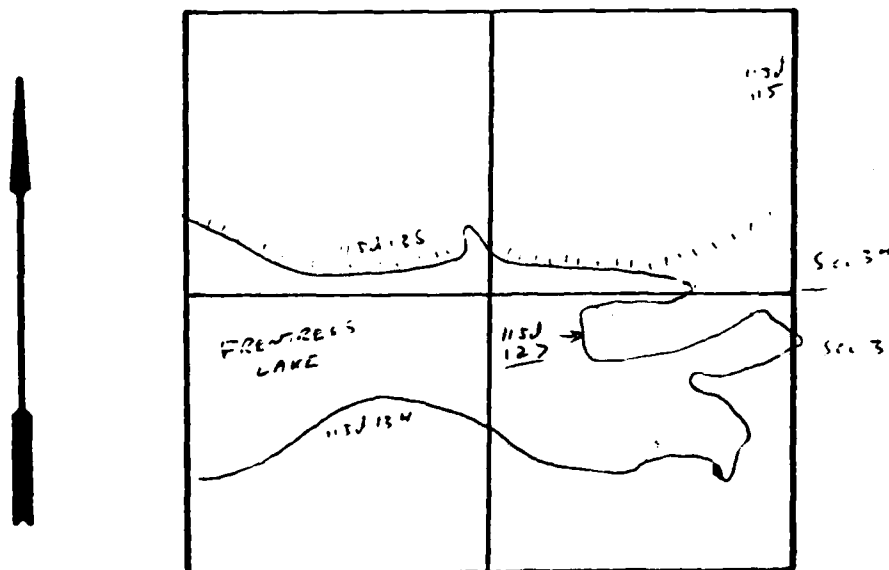
Great Lakes Archaeological Research Center, Inc.

County: Jo Daviess Township: Dunlieth Site# 11Jd127
 Section: 3 Town: 28N Range: 2W U.S.G.S. Quadrangle:
 (To $\frac{1}{4}$ Section) NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$ Name: Monominey
 Series: 7.5
 U.T.M. Coordinates 4703600-4703700N, 697250E Topo: y Plan:
 Date: 10/5, 1972
 Owner: U.S. Army Corps of Engineers Owner Occupied:
 Address: Rock Island, Illinois yes: no no: XX

Site Priority (Potential for Destruction): High
 Agency of Destruction: Shoreline erosion
 Type of Site: Habitation
 Site Presence Determined From: Shoreline surface collection
 Archaeological Sub-Surface Features: unknown
 Approximate Size (in Meters): N/S 30 X E/W 30 Drainage: good
 Size Determined From: shoreline collection Relief: level
 Elevation (Feet Above Sea Level): 595-600 pH:
 Topography (General Description of Site Environs): penninsula, lowland floodplain
 Nearby Water Source (Name if Known): Frentress Lake
 Confluence of:
 Soil Type (From Soils Map): silts overlying sand
 Present Landuse Pattern: forest (former historic structure)
 Cultural Materials From Site: flakes, biface, Middle Woodland ceramic sherd

Location of Collections: Great Lakes Archaeologica. Research Center
 Source of Information: Published Unpublished X Reference
Pool 12 report
 Actual Visit to Site yy Correspondence Conversation
 Record Prepared by: Boszhardt Date: 8/20/81
 Affiliation: G.L.A.R.C.

Site is located at penninsula at southeast end of Frentress Lake.



SITE SURVEY DATA SHEET

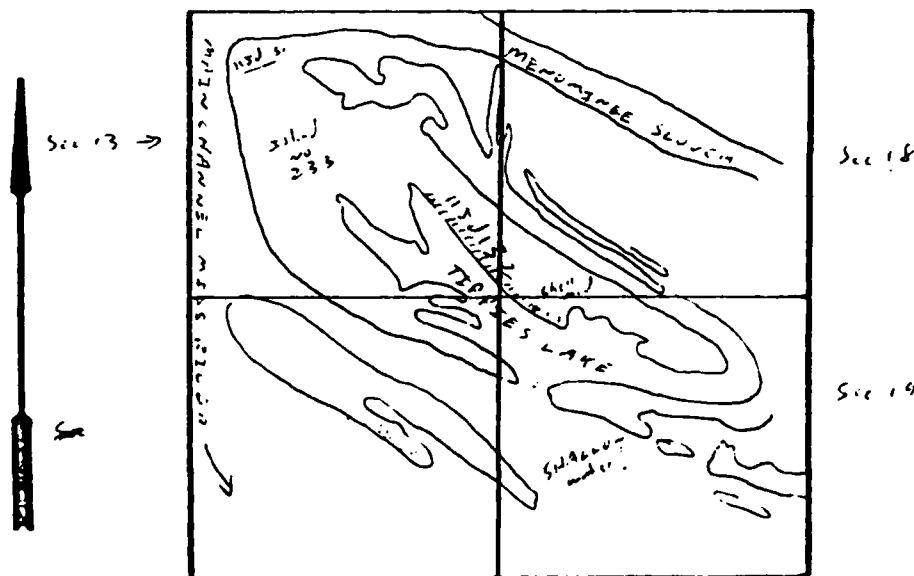
Great Lakes Archaeological Research Center, Inc.

County: Jo Daviess Township: Menominee/West Galena Site# 11Jd132
 Section: 13, 18, 19 Town: 28N Range: 1, 2W U.S.G.S. Quadrangle:
 (To $\frac{1}{4}$ Section) SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$ Sec. 13 (T28N R1W) Name: Menominee
SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$ Sec. 18 (T28N R2W) Series: 7.5
 U.T.M. Coordinates NE $\frac{1}{4}$ and NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$ Sec. 19 (T28N R2W) Topo: XX Plan:
4698890-4699200N, 701800-702200E Date: 1955, 1972
 Owner: U.S. Army Corps of Engineers Owner Occupied:
 Address: Rock Island, Illinois yes: no X

Site Priority (Potential for Destruction): Medium
 Agency of Destruction: Shoreline erosion
 Type of Site: Workshop, habitation (?), shell midden
 Site Presence Determined From: Shoreline collection
 Archaeological Sub-Surface Features: shell midden (may be historic)
 Approximate Size (in Meters): N/S 150 X E/W ? Drainage: fair
 Size Determined From: shoreline scatter Relief: level-undulating
 Elevation (Feet Above Sea Level): 595 pH:
 Topography (General Description of Site Environs): levee formation, backwater area
 Nearby Water Source (Name if Known): Tippies Lake (local name)
 Confluence of:
 Soil Type (From Soils Map): silts over silty loam
 Present Landuse Pattern: forest
 Cultural Materials From Site: cores, flakes, shell, 1 cobble

Location of Collections: Great Lakes Archaeological Research Center
 Source of Information: Published Unpublished X Reference
Pool 12 report
 Actual Visit to Site X Correspondence Conversation
 Record Prepared by: Boszhardt Date: 8/24/81
 Affiliation: Great Lakes Archaeological Research Center

Site located on east side of "Tippies Lake" a backwater slough. Shore is slightly eroding. Shell midden at south end where some historic materials were noted. No diagnostics recovered.



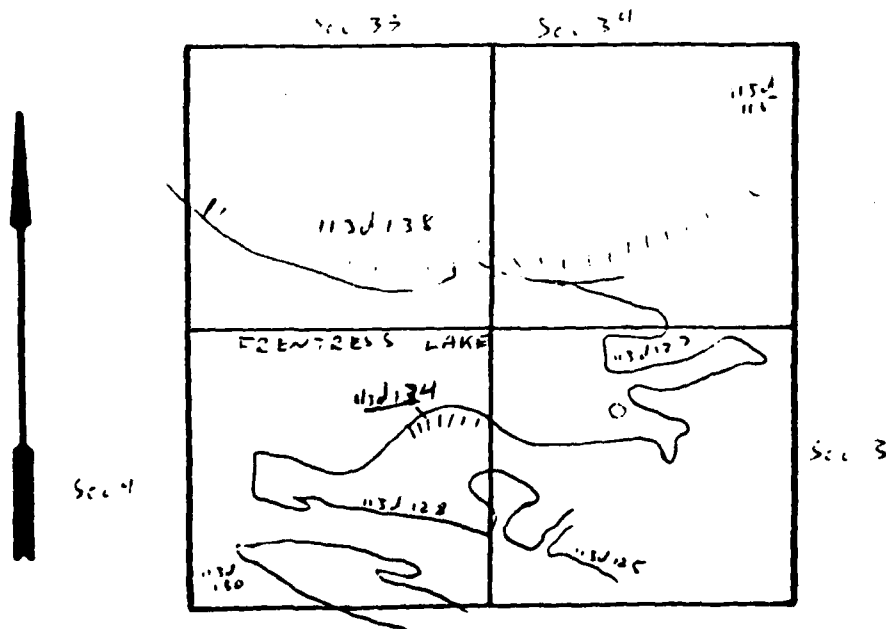
SITE SURVEY DATA SHEET

Great Lakes Archaeological Research Center, Inc.

County: Jo Daviess Township: Dunlieth Site# 11Jd134
 Section: 3 and 4 Town: 26N Range: 2W U.S.G.S. Quadrangle:
 (To $\frac{1}{4}$, $\frac{1}{4}$ Section) SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$ Sec. 3 Name: Menominee
SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$ Sec. 4 Series: 75
 U.T.M. Coordinates 4703500-4703600N, 696850-697050E Topo: y Plan:
 Date: 1955, 1972
 Owner: U.S. Army Corps of Engineers Owner Occupied:
 Address: Rock Island, Illinois yes: no: x

Site Priority (Potential for Destruction): High
 Agency of Destruction: Shoreline erosion
 Type of Site: Habitation
 Site Presence Determined From: Shoreline surface collection
 Archaeological Sub-Surface Features: unknown
 Approximate Size (in Meters): N/S 150 X E/W ? Drainage: Fair-good
 Size Determined From: Shoreline collection Relief: level, undulating
 Elevation (Feet Above Sea Level): 595 pH:
 Topography (General Description of Site Environs): Lowland floodplain of Miss. River
 Nearby Water Source (Name if Known): Frentress Lake
 Confluence of:
 Soil Type (From Soils Map): Silts and sands
 Present Landuse Pattern: Forested, Wildlife refuge
 Cultural Materials From Site: flakes, biface, sand tempered pottery sherds (some fingernail impressed.
 Location of Collections: Great Lakes Archaeological Research Center
 Source of Information: Published Unpublished x Reference
Pool 12 report
 Actual Visit to Site x Correspondence Conversation
 Record Prepared by: Boszhardt Date: 7/30/81
 Affiliation: Great Lakes Arch. Research Center

Located on rounded point of southside of Frentress lakes below the outlet.



Site Survey Data Sheets: Side Channel Sites

11 Jd 116	11 Jd 128
11 Jd 125	11 Jd 129
11 Jd 126	11 Jd 130

SITE SURVEY DATA SHEET

Great Lakes Archaeological Research Center, Inc.

County: Jo Daviess Township: West Galena Site# 11 Jd-116

Section: SE, NW, SE Sec. 20 Town: 28 N Range: 1W U.S.G.S. Quadrangle:
(To $\frac{1}{4}$, $\frac{1}{4}$ Section) Name: Menominee
Series: 7

U.T.M. Coordinates 4697950N, 704700E Topo: xy Plan:
Date: 1055, 1072

Owner: US Army Corps, US Fish & Wildlife Service Owner Occupied:
Address: Rock Island District yes: no:

Site Priority (Potential for Destruction): High, Immanent

Agency of Destruction: erosion, cutbank

Type of Site: habitation

Site Presence Determined From: surface collection

Archaeological Sub-Surface Features: hearth, no artifacts

Approximate Size (in Meters): N/S X E/W Drainage: poor

Size Determined From: Relief:

Elevation (Feet Above Sea Level): 590-595 pH:

Topography (General Description of Site Environs): lowland floodplain

Nearby Water Source (Name if Known): Deadman's Slough, Mississippi River

Confluence of:

Soil Type (From Soils Map): silt

Present Landuse Pattern: wildlife refuge

Cultural Materials From Site: 15 grit tempered sherds- 2 cord impressed; 1st chert flakes; fire cracked rock; cobbles

Location of Collections: GLARC

Source of Information: Published Unpublished x Reference
field notes

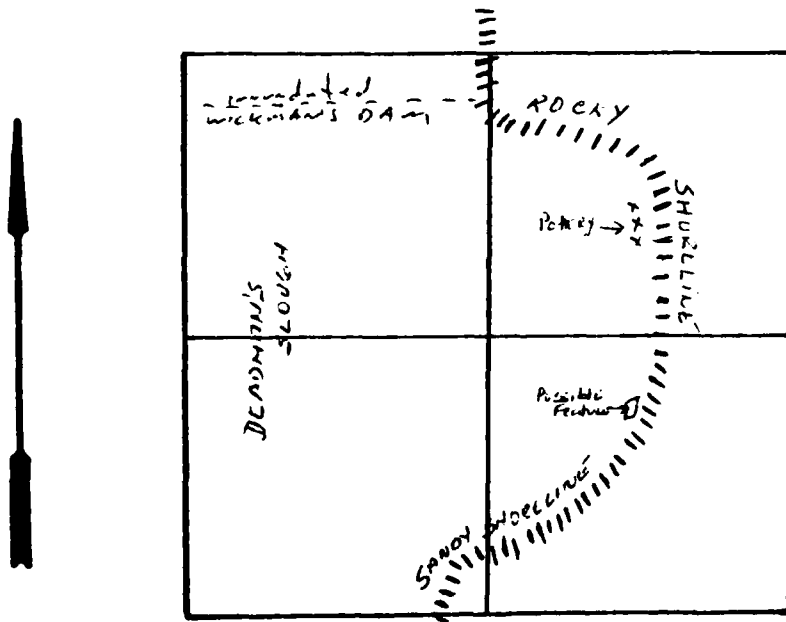
Actual Visit to Site X Correspondence Conversation

Record Prepared by: Boszhardt Date: 6/21/81

Affiliation: GLARC

Site is on east side of Wickman's Dam (sub-merged 6' below modern surface) in Deadman's slough about 1/4 mile from Illinois main shoreline and 1/2 mile southeast of Menominee Station and Benchmark (607). Material recovered from shoreline of Island in eroded bank at approx. water level. Area is wooded with heavy undergrowth.

Cultural Affiliation- Late Woodland



SITE SURVEY DATA SHEET

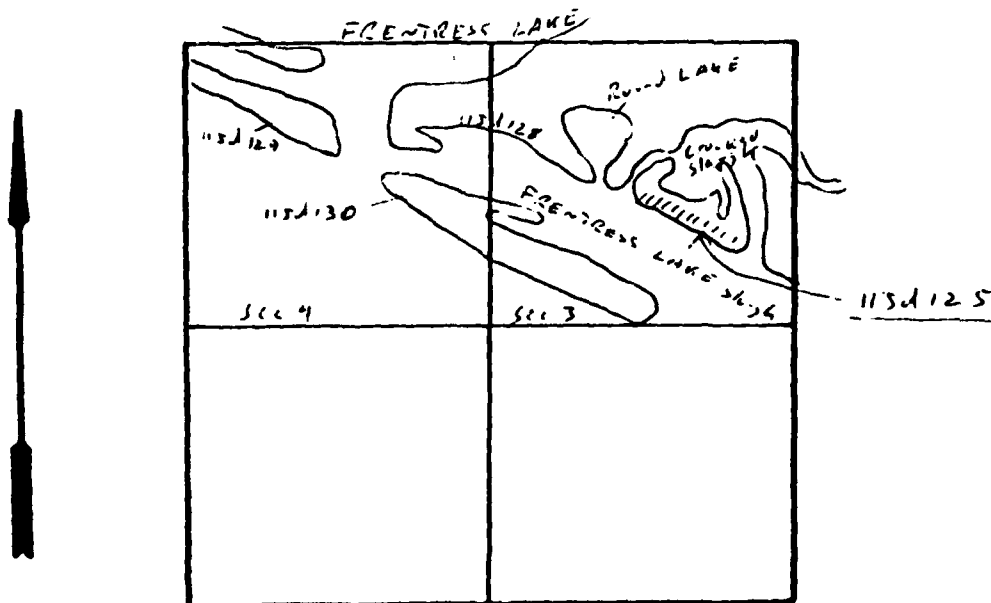
Great Lakes Archaeological Research Center, Inc.

County: Jo Daviess Township: Dunlieth Site# 11Jd125
 Section: 3 Town: 28N Range: 2W U.S.G.S. Quadrangle:
 (To 1,1 Section) SW₁, NW₁ and NW₁, SW₁ Name: Lenominee
 U.T.M. Coordinates 4702900-4703100N, 697100-697300E Series: 7.5
 Topo: X Plan:
 Date: 1055, 1972
 Owner: U.S. Army Corps of Engineers Owner Occupied:
 Address: Rock Island Illinois yes: no: X

Site Priority (Potential for Destruction): High
 Agency of Destruction: Shoreline erosion
 Type of Site: Habitation
 Site Presence Determined From: Shoreline surface collection
 Archaeological Sub-Surface Features: unknown
 Approximate Size (in Meters): N/S 150 X E/W ? Drainage: fair
 Size Determined From: Shoreline collection Relief: undulating, levee
 Elevation (Feet Above Sea Level): 595-600 pH:
 Topography (General Description of Site Environs): levee formation
 Nearby Water Source (Name if Known): Frentress Lake Slough
 Confluence of:
 Soil Type (From Soils Map): Silts overlying sand
 Present Landuse Pattern: Forest
 Cultural Materials From Site: Middle-Late woodland ceramics, flakes, cores, hammer-stone,

Location of Collections: Great Lakes Archaeological Research Center
 Source of Information: Published Unpublished XX Reference
Pool 12 report
 Actual Visit to Site X Correspondence Conversation
 Record Prepared by: Boszhardt Date: 8/20/81
 Affiliation: G.L.A.R.C.

Located on east shore of Frentress Lake Slough between outlets of Crooked Slough.
 Materials more concentrated at northern end where shore is silty. To south shoreline becomes sandier possibly covering redeposited artifacts.



SITE SURVEY DATA SHEET

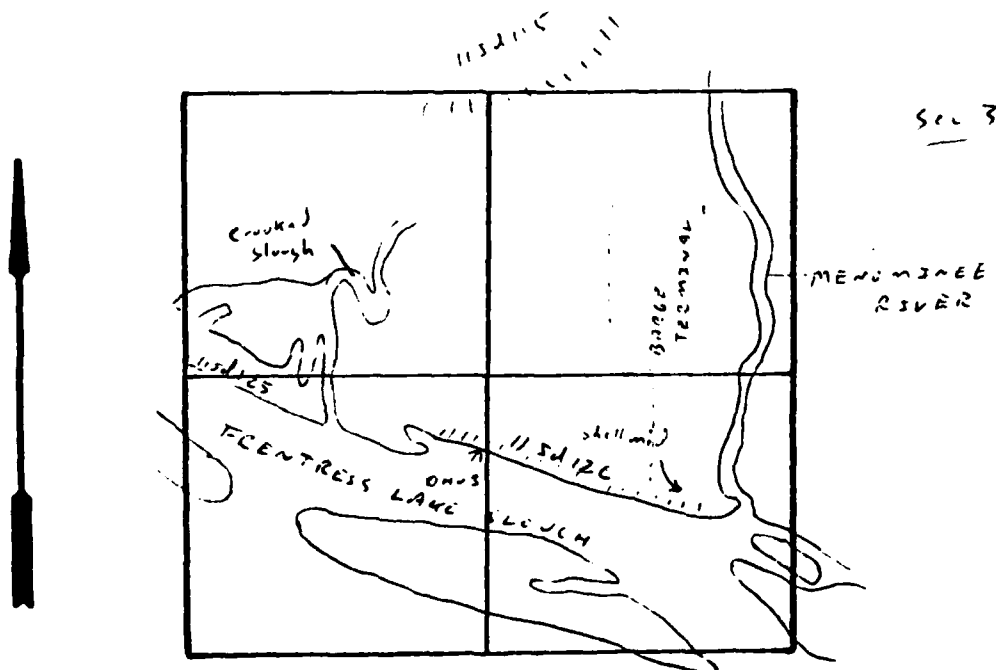
Great Lakes Archaeological Research Center, Inc.

County: Jo Daviess Co Township: Dunlieth Site# 11Jd126
 Section: 3 Town: 28N Range: 2W U.S.G.S. Quadrangle:
 (To $\frac{1}{4}$, $\frac{1}{4}$ Section) SW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$ and NE $\frac{1}{4}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ Name: Menominee
 Series: 7.5
 Topo: x Plan:
 Date: 10.5, 1972
 U.T.M. Coordinates 4702500-4702750N, 697700-697200E
 Owner: U.S. Army Corps of Engineers Owner Occupied:
 Address: Rock Island, Illinois yes: no: XX

Site Priority (Potential for Destruction): High
 Agency of Destruction: Shoreline erosion
 Type of Site: Habitation
 Site Presence Determined From: Shoreline collection
 Archaeological Sub-Surface Features: yes, pit features at south end
 Approximate Size (in Meters): N/S 200 X E/W 40 Drainage: fair
 Size Determined From: Shoreline collection Relief: level-undulating
 Elevation (Feet Above Sea Level): 595-600 pH:
 Topography (General Description of Site Environs): levee formation
 Nearby Water Source (Name if Known): Frentress Lake Slough
 Confluence of: Menominee River and Mississippi (Frentress Lake Slough)
 Soil Type (From Soils Map): Silts overlying sand
 Present Landuse Pattern: Forest, barge terminal at south end
 Cultural Materials From Site: Late Woodland ceramics, flakes, cores, daub, bone and shell lens.

Location of Collections: Great Lakes Archaeological Research Center
 Source of Information: Published Unpublished XX Reference
Pool 12 report and ammendment for testing south end of site.
 Actual Visit to Site x Correspondence Conversation
 Record Prepared by: Boszhardt 9/15/81 Date:
 Affiliation: G.L.A.R.C.

Site is located on east side of Frentress Lake Slough above the present mouth of the Menominee River. Dredging of barge terminal revealed a buried shell lens and pit features. Testing of remainder of site within barge terminal easement is proposed.



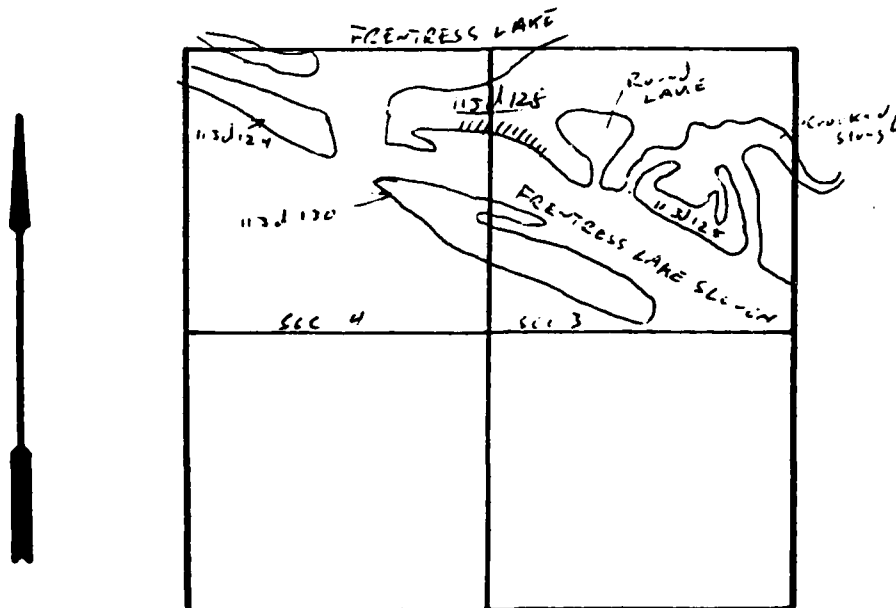
SITE SURVEY DATA SHEET

Great Lakes Archaeological Research Center, Inc.

County: Jo Daviess Township: Dunlieth Site# 11Jd128
 Section: 4 Town: 28N Range: 2W U.S.G.S. Quadrangle:
 (To $\frac{1}{4}$, $\frac{1}{4}$ Section) NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$ and Name: Menominee
SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$ Series: 1-5
 U.T.M. Coordinates 4703375-4703400N, 696600-696800E Topo: X Plan:
 Date: 1955, 1972
 Owner: U.S. Army Corps of Engineers Owner Occupied:
 Address: Rock Island Illinois yes: no: XX

Site Priority (Potential for Destruction): High
 Agency of Destruction: Shoreline erosion
 Type of Site: Habitation
 Site Presence Determined From: Shoreline surface collection
 Archaeological Sub-Surface Features: unknown
 Approximate Size (in Meters): N/S 100 X E/W 2 Drainage: fair
 Size Determined From: Relief: level- undulating
 Elevation (Feet Above Sea Level): 595-600 pH:
 Topography (General Description of Site Environs): levee formation
 Nearby Water Source (Name if Known): Frentress Lake Slough
 Confluence of:
 Soil Type (From Soils Map): silts overlying sand
 Present Landuse Pattern: Forest
 Cultural Materials From Site: Middle-Late Woodland ceramics, flakes, and 2 point/
knives.
 Location of Collections: Great Lakes Archaeological Research Center
 Source of Information: Published Unpublished X Reference
Pool 12 report
 Actual Visit to Site X Correspondence Conversation
 Record Prepared by: Boszhardt Date: 8/20/81
 Affiliation: G.L.A.R.C.

Site is located on east shore of Frentress Lake Slough where high ground begins below outlet of Frentress Lake. North of outlet of Round lake and 11Jd125.



SITE SURVEY DATA SHEET

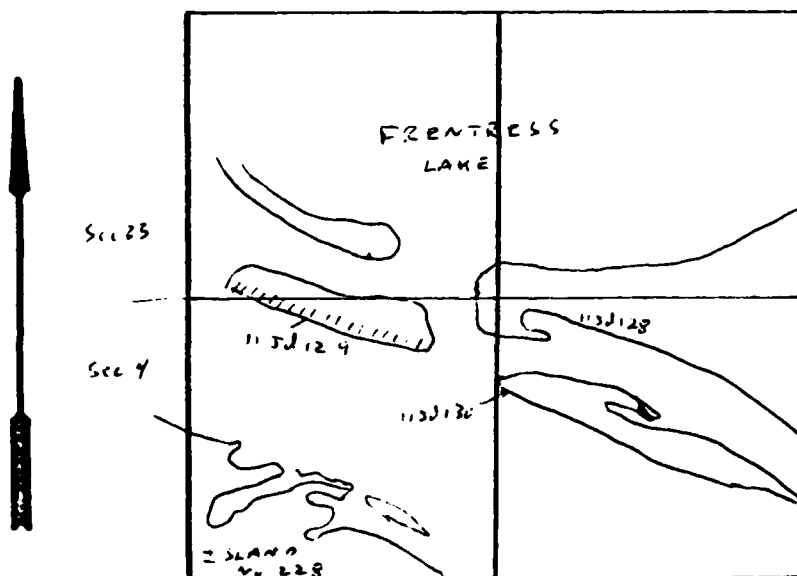
Great Lakes Archaeological Research Center, Inc.

County: Jo Daviess Township: Dunlieth Site# 11Jd129
 Section: 4 Town: 28N Range: 2W U.S.G.S. Quadrangle:
 (To $\frac{1}{4}$, $\frac{1}{4}$ Section) NW $\frac{1}{4}$ and SW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$ and
 NE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$ Name: Menominee
 U.T.M. Coordinates 4703400-4703700N, 696000-696350E Series: 7.5
 Topo: X Plan:
 Date: 1955, 1972

Owner: U.S. Army Corps of Engineers Owner Occupied:
 Address: Rock Island, Illinois yes: no: X

Site Priority (Potential for Destruction): High
 Agency of Destruction: Shoreline erosion
 Type of Site: Habitation
 Site Presence Determined From: shoreline collection
 Archaeological Sub-Surface Features: unknown
 Approximate Size (in Meters): N/S 200 X E/W ? Drainage: fair
 Size Determined From: shoreline collection Relief: level-undulating
 Elevation (Feet Above Sea Level): 595-600 pH:
 Topography (General Description of Site Environs): levee formation-lowland floodplain
 Nearby Water Source (Name if Known): Side channel of Miss. River
 Confluence of:
 Soil Type (From Soils Map): silts-silty loam
 Present Landuse Pattern: forest
 Cultural Materials From Site: Prehistoric ceramics, x corner-notched projectile
point (triangular), flakes, cors, ECR, chert knife, lead.
 Location of Collections: Great Lakes Archaeological Research Center
 Source of Information: Published Unpublished x Reference
Poll 12 report
 Actual Visit to Site x Correspondence Conversation
 Record Prepared by: Boszhardt Date: 9/1/81
 Affiliation: Great Lakes Archaeological Research Center

Projectile point and ceramics suggest Late Woodland component. Other ceramic sherds indicate earlier components as well. Site is located on east side of side channel to the northwest of the outlet of Frenress Lake.



SITE SURVEY DATA SHEET

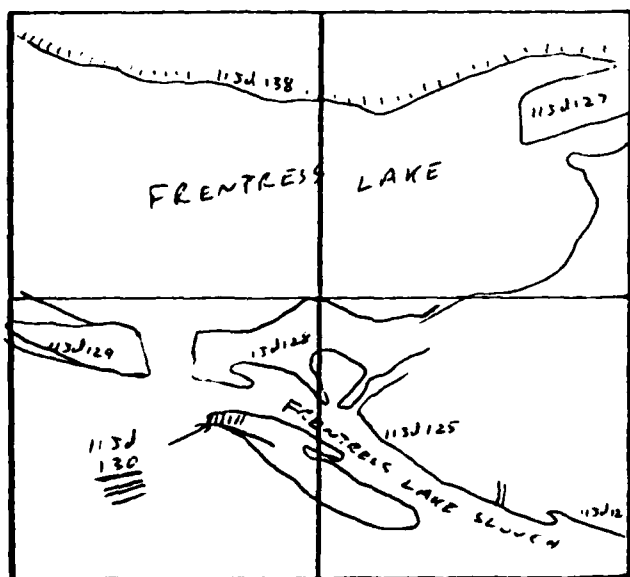
Great Lakes Archaeological Research Center, Inc.

County: Jo Davies Township: Dunlieth Site# 11Jd130
 Section: 4 Town: 28N Range: 2W U.S.G.S. Quadrangle:
 (To $\frac{1}{4}$, $\frac{1}{4}$ Section) NE $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$ and SE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$ Name: Menominee
 U.T.M. Coordinates 4703300N, 696500E Series: 7.5
 Topo: X Plan: 1955, 1972
 Owner: U.S. Army Corps of Engineers Owner Occupied:
 Address: Rock Island, Illinois yes: no no: XX

Site Priority (Potential for Destruction): High
 Agency of Destruction: Shoreline erosion
 Type of Site: Habitation
 Site Presence Determined From: Shoreline collection
 Archaeological Sub-Surface Features: unknown
 Approximate Size (in Meters): N/S 50 X E/W 50 Drainage: fair
 Size Determined From: shoreline collection Relief: level-undulating
 Elevation (Feet Above Sea Level): 595 pH:
 Topography (General Description of Site Environs): levee formation-lowland floodplain
 Nearby Water Source (Name if Known): Side Channel of Miss River, Frenress Lake Slough
 Confluence of:
 Soil Type (From Soils Map): silts over sand
 Present Landuse Pattern: forest
 Cultural Materials From Site: flakes ceramic sherd, cobble, shell

Location of Collections: Great Lakes Archaeological Research Center
 Source of Information: Published Unpublished X Reference
Pool 12 report
 Actual Visit to Site XX Correspondence Conversation
 Record Prepared by: Boszhardt Date: 8/30/81
 Affiliation: G.L.A.R.C.

Site is located across Frenress Lake Slough from 11Jd128 and across outlet of Frenress Lake from 11Jd129. Present outlet of Frenress Lake appears to be historic phenomenon (according to pre-Lock and Dam maps) suggesting this site may be extension of 11Jd129. Materials collected from both sides of the north end of this island levee.



Site Survey Data Sheets: Main Channel Sites

11 Jd 124

11 Jd 131

11 Jd 133

SITE SURVEY DATA SHEET

Great Lakes Archaeological Research Center, Inc.

County: Jo Daviess Township: Dunlieth Site# 11Jd124

Section: 32 Town: T29N Range: 2W U.S.G.S. Quadrangle:

(To $\frac{1}{4}$, $\frac{1}{4}$ Section) NE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$ and NW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$ Name: Dubuque South

U.T.M. Coordinates 4704360-4704800N, 693850-694500E Series: 7.5

Owner: U.S. Army Corps of Engineers Topo: XX Plan:

Address: Rock Island, Illinois Date: 1956, 1972

Owner Occupied: yes: no no: XX

Site Priority (Potential for Destruction): High

Agency of Destruction: Shoreline erosion

Type of Site: unknown prehistoric, Historic residences

Site Presence Determined From: Shoreline collection

Archaeological Sub-Surface Features: unknown

Approximate Size (in Meters): N/S X E/W Drainage: fair

Size Determined From: Relief: undulating

Elevation (Feet Above Sea Level): 595 pH:

Topography (General Description of Site Environs): levee formation, lowland floodplain

Nearby Water Source (Name if Known): Main Channel Mississippi River

Confluence of:

Soil Type (From Soils Map): silts over sand

Present Landuse Pattern: forest

Cultural Materials From Site: 1 chert flake, 1 chert core, historic debris including

burned material which may represent waste from early historic lead smelting.

Location of Collections: Great Lakes Archaeological Research Center

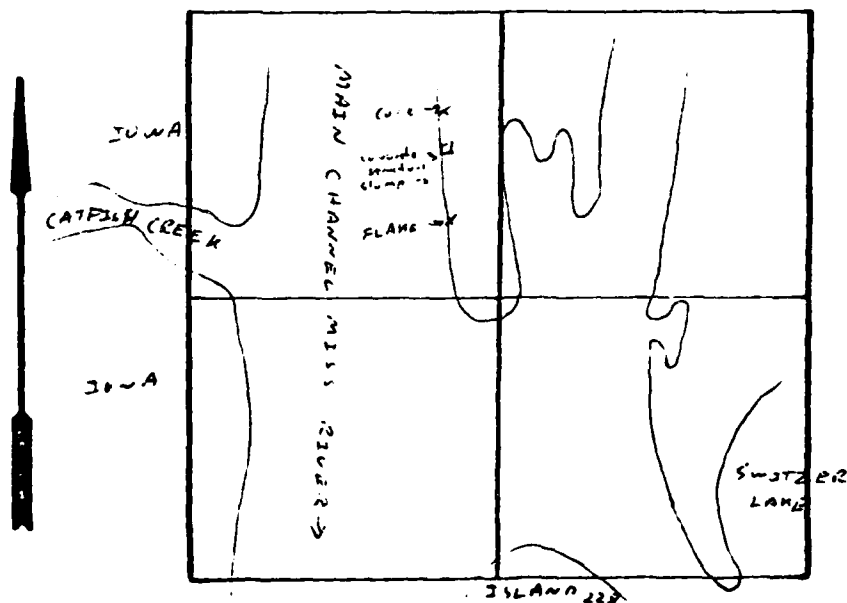
Source of Information: Published Unpublished XX Reference Pool 12 report

Actual Visit to Site X Correspondence Conversation

Record Prepared by: Boszhardt Date: 8/20/81

Affiliation: G.L.A.R.C.

Site is located on west side of levee across main channel from mouth of Catfish Creek.



SITE SURVEY DATA SHEET

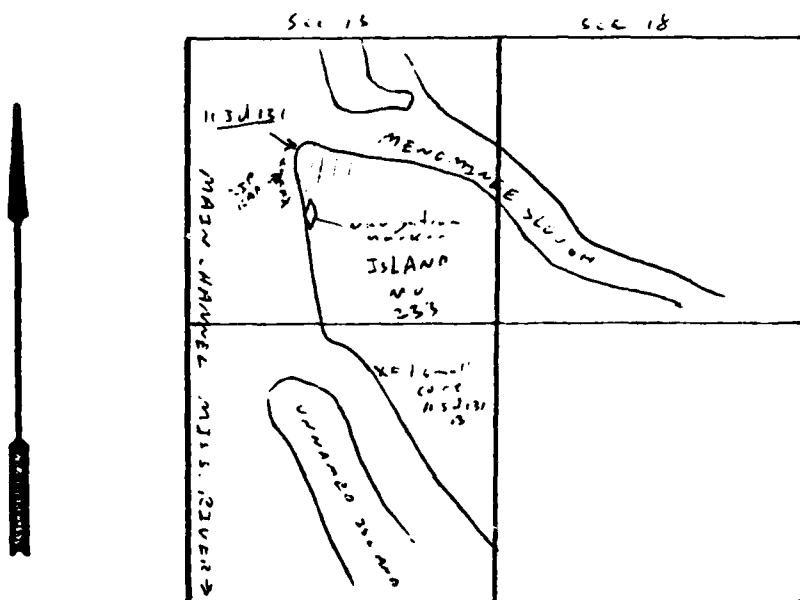
Great Lakes Archaeological Research Center, Inc.

County: Jo Davies Township: Menominee Site# 11Jd131
 Section: 13 Town: 28N Range: 2W U.S.G.S. Quadrangle:
 (To $\frac{1}{4}$, $\frac{1}{4}$ Section) NE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$ Name: Menominee
 Series: 7.5
 U.T.M. Coordinates 4700000N, 701050E Topo: X Plan:
 Date: 1955, 1972
 Owner: U.S. Army Corps of Engineers Owner Occupied:
 Address: Rock Island, Illinois yes: no: X

Site Priority (Potential for Destruction): High
 Agency of Destruction: shoreline erosion
 Type of Site: Habitation
 Site Presence Determined From: Shoreline collection
 Archaeological Sub-Surface Features: unknown
 Approximate Size (in Meters): N/S 100 X E/W 50 Drainage: fair
 Size Determined From: shoreline collection Relief: level-undulating
 Elevation (Feet Above Sea Level): 595-600 pH:
 Topography (General Description of Site Environs): levee formation lowland floodplain
 Nearby Water Source (Name if Known): Main Channel of Miss. River and Menominee Slough
 Confluence of:
 Soil Type (From Soils Map): silts and sands
 Present Landuse Pattern: forest
 Cultural Materials From Site: 1 Late Woodland cord Impressed rim, flakes, 1 point tip.

Location of Collections: Great Lakes Archaeological Research Center
 Source of Information: Published Unpublished XX Reference
Pool 12 report
 Actual Visit to Site X Correspondence Conversation
 Record Prepared by: Boszhardt Date: 8/25/81
 Affiliation: Great Lakes Arch. Research Center

Site is located at point of north end of Menominee slough to south side of inlet.



SITE SURVEY DATA SHEET

Great Lakes Archaeological Research Center, Inc.

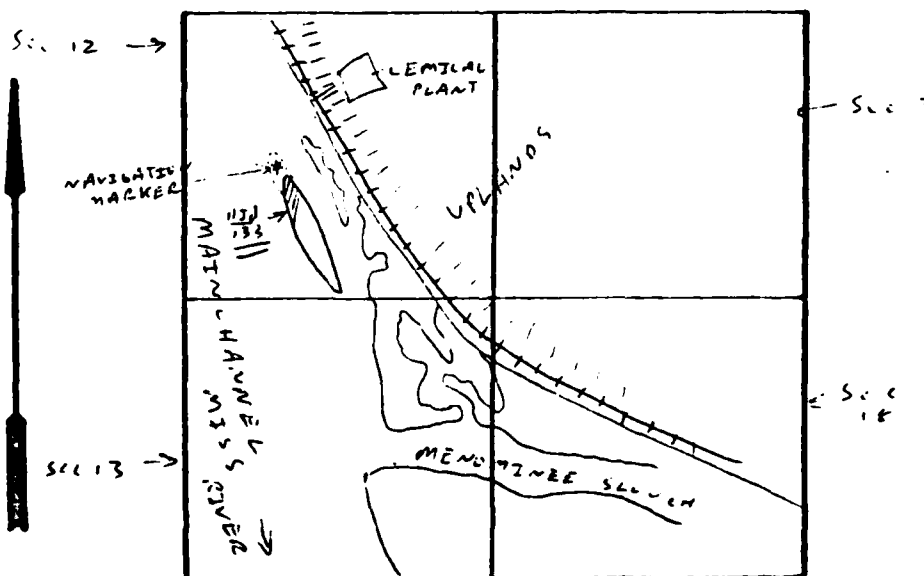
County: Jo Daviess Township: Menominee Site# 11Jd133
 Section: 12 Town: 28N Range: 2W U.S.G.S. Quadrangle:
 (To $\frac{1}{4}$, $\frac{1}{4}$ Section) SW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$ and NW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$ Name: Menominee
 Series: 7.5
 U.T.M. Coordinates 4700800-4700900N, 700750E Topo: XX Plan:
 Date: 1955, 1972

Owner: U.S. Army Corps of Engineers Owner Occupied:
 Address: Rock Island, Illinois yes: no no: XX

Site Priority (Potential for Destruction): High- Immanent
 Agency of Destruction: Shoreline erosion
 Type of Site: Habitation
 Site Presence Determined From: Shoreline collection
 Archaeological Sub-Surface Features: unknown
 Approximate Size (in Meters): N/S 50 X E/W 50 Drainage: fair
 Size Determined From: shoreline collection Relief: level-undulating
 Elevation (Feet Above Sea Level): 595 pH:
 Topography (General Description of Site Environs): island levee in lowland floodplain
 Nearby Water Source (Name if Known): Main Channel of Mississippi River.
 Confluence of:
 Soil Type (From Soils Map): Silts over sand
 Present Landuse Pattern: forest
 Cultural Materials From Site: Late Woodland ceramics and projectile point/knife.
Also Middle Woodland ceramics. Flakes.

Location of Collections: Great Lakes Archaeological Research Center
 Source of Information: Published Unpublished XX Reference
Pool 12 Report
 Actual Visit to Site XX Correspondence Conversation
 Record Prepared by: Boszhardt/ Welch Date: 8/26/81
 Affiliation: G.L.A.R.C.

Materials collected from severely eroded north end of isolated island where main channel nears Illinois bluff line below a chemical plant. Navigation marker indicates at least 20 meters of the north end of the island (site) have been lost to erosion.

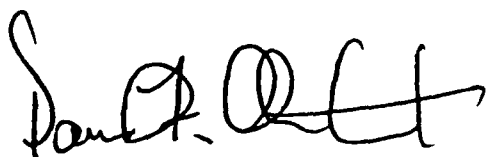


APPENDIX E: Proposal

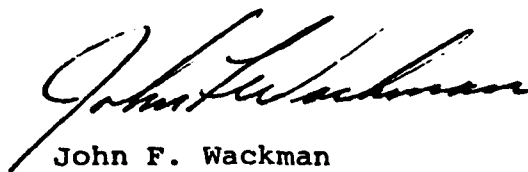
TECHNICAL PROPOSAL: PRELIMINARY CULTURAL
RESOURCE SURVEY OF CORPS OF ENGINEERS LAND
IN NAVIGATION POOL 12, MISSISSIPPI RIVER

Submitted To: Procurement & Supply Division
US Army Engineer District, Rock Island
Corps of Engineers
Clock Tower Building
Rock Island, IL 61201
(Solicitation Number DACW25-80-R-0017)

Submitted By: GREAT LAKES ARCHAEOLOGICAL RESEARCH CENTER, INC.
P.O. Box 1304
Waukesha, WI 53187



David F. Overstreet, Ph.D.
Principal Investigator
10/10/80



John F. Wackman
Secretary/Treasurer
10/10/80

PRELIMINARY CULTURAL RESOURCES SURVEY OF CORPS OF ENGINEERS
LAND IN POOL 12, MISSISSIPPI RIVER-DACW25-80-R-0017

INTRODUCTION:

The following proposal details the theoretical orientation, methods and techniques, and expectations which pertain to the performance of a preliminary cultural resources survey of Corps of Engineers Land in Navigation Pool 12, Mississippi River. In order to facilitate review of this proposal, the presentation is organized into easily defined segments which specifically address the criteria for technical evaluation. In order these are (1) Project Objectives, (2) Methods and Techniques to be utilized, and (3) Anticipated project results and portrayal of same. Finally, the proposal is supported by a detailed statement of project management.

PROJECT OBJECTIVES:

The preliminary cultural resource survey of Pool 12 objectives as stated in RFP DACW25-80-R-0017 have rather obvious pragmatic or management objectives. Data provided in both the RFP and the various reports compiled through the efforts of Great River Environmental Action Team demonstrate the need for a predictive model for site locations and an evaluation of potential adverse effects on cultural resources which derive from maintenance of the pool. For example, both the Plan Formulation Main Report (1980) and the Cultural Resources Work Group Appendix (1980) provide ample documentation regarding a two-fold problem scenario. The first of these is testimony to the poorly known and documented nature of the archaeological data base while the second relates to assumed and perceived destruction of an unknown portion of that data base. Authors of the plan formulation report note:

Most of the existing understanding of the prehistory of the river corridor is inferential, relying heavily upon information from archaeological investigations in neighboring states, rather than research in the river corridor proper (Sohn & Fleischman 1980: 73).

and,

As the exact locations of these cultural resources are unknown, there is great potential that these resources are being destroyed by man's activities along the UMR (Sohn & Fleischman 1980: 75).

More specific commentary is provided in the Cultural Resources Work Group Appendix. Regarding the fragmentary knowledge of the archaeological data base the authors note:

The study area was defined as one-fourth mile inland from the bluffs on both sides of the river valley. Since most of the known archaeological sites are located on the bluff edge overlooking the main valley, and most properties of architectural and historical interest are in town and cities, it is accurate to conclude that what is known of specific sites in the UMR corridor is but a microscopic sample of the total number of resources which are probably present. Additional surveys to locate and identify cultural resources in the valley proper, particularly archaeological sites, will no doubt substantiate this conclusion (CRWG 1980: 14-15).

With reference to the utility of predictive modeling CRWG states:

While the number of archaeological sites is expected to vastly increase, such sites are not located everywhere over the pre-inundation landscape. Careful analysis of existing information, including available data about archaeological sites and pre-inundation geographic information (which is recorded on a number of map series for the study area) would very likely result in the identification of sensitive areas. It could be predicted where numerous sites should be present, and where no sites would be expected (GRWG 1980: 15).

The utility of predictive models in the cultural resources planning process has been demonstrated as an efficient preservation tool (see for example King, Hickman & Berg 1977: 145-174 and various case studies in Schiffer & Gumerman 1977). As well, the predictive model as an heuristic device for the reconstruction of settlement and subsistence systems is axiomatic to the prehistorian.

The second major objective of this proposed study, viz., an evaluation of potential adverse effects on cultural resources which derive from navigation pool maintenance has also been addressed by the Great River Environmental Action Team:

Change in the landscape by natural and cultural agents results in direct and indirect influences upon cultural resources. There are obvious results of inundation and urban development. Inundation by water directly affected an unknown number of historic and prehistoric archaeological sites. In addition many buildings and other structures which might have been important historic resources if judged by today's standards were lost (GRWG 1980: 21).

More specifically:

In the valley proper there are lasting effects of inundation which continue to impact upon cultural resources, particularly archaeological sites. The effect of inundation was to raise the level of the river to higher levels in many areas than had ever occurred prehistorically. The high pool elevations crosscut natural landforms, resulting in completely inundating many archaeological sites but also only partially covering numerous sites. There are several known instances where the latter has occurred; the remaining portions of the site not underwater are presently under a condition of erosion due to wave action, bank slumpage, and vandalism (CRWG 1980:22).

From the foregoing discussion, the rationale for the specific management objectives can be clearly surmized. First, systematic sampling survey is needed to provide a meaningful estimate of the numbers and diversity of sites which can be expected to occur on Government lands adjacent to Navigation Pool 12. Second, through the establishment of a sensitivity or predictive model, management of the newly identified cultural resources will become more efficient and effective. Third, comprehensive evaluation of shoreline settings will provide for an actual rather than intuitive assessment of adverse effects of pool maintenance on the archaeological data base.

To the professional prehistorian engaged in cultural resources management pragmatic objectives may take precedence over research objectives. However, in almost all instances the two are inseparable. In this particular case one research objective should be agonizingly apparent. That is to say, a regional archaeological framework simply does not exist. As an additional objective, the preliminary cultural resources survey proposed here includes the reconstruction of a tentative cultural-historical framework which may have value to evaluations of significance.

Archaeological research in the tri-state locality (as defined by Struever 1964: 84), or the Quad State region (as defined by Benn 1979) has been uneven with regard to archaeological survey coverage and has tended to focus on Woodland manifestations with little discussion of earlier archaeological cultures (see for example Benn 1976, 1978, 1979, Logan 1959, Birmingham & Fowler 1976, Dudzik 1974, Geier & Loftus 1976). Because of the limited survey work in the region, the full range of prehistoric and early historic occupation and utilization of the region has not been made explicit in the archaeological literature. One sound attempt is made by Dudzik (1974), however, Dudzik's model is strongly influenced by earlier interpretive frameworks and requires additional data prior to wholesale acceptance, or, if the data so warrant, rejection.

Dudzik's survey, which focused on portions of Rock Island, Mercer, Henderson, and Hancock counties utilized a sample of 100 sites drawn from a larger population located in the bottomlands and adjacent bluffs. The conclusions drawn from this study are provocative. For example, PaleoIndian occupation of the region is apparently restricted to dissected upland settings based on a single occurrence of a PaleoIndian projectile point in such a context and Griffin's erroneous geological interpretations (based not on faulty logic but more comprehensive Valderan data not available at the time of Griffin's synthesis) (1968: 132). Archaic cultures as well appear heavily skewed to non-bottomland contexts. However, Birmingham's survey work in the Rock Island area demonstrated significant Archaic

occupation of bottomland habitats (personal communication). Somewhat conflicting arrays of site distribution are suggested by Geier & Loftus (1976) and Geier & Loftus (1975).

Woodland presence in the tri-state locality is well documented although interpretive frameworks are often at odds. However, the substantial information provided by Benn 1976, 1978, 1979, Geier & Loftus 1975, 1976, and Logan 1959 firmly seats these manifestations in the local cultural historical framework.

Mississippian occupation of the region is sketchy and largely inferred while clearly not well documented. Bennett's original work in Jo Daviess County provides the current working synthesis and little has been added to his 1945 publication. In contradiction, Geier & Loftus note: "In none of the survey areas is there evidence of Oneota or Aztalan/Mississippian activity (1976: 118)." Owing to the confusion in the extant literature which provides only limited validity for reasonable extrapolation to the pool 12 environs, an additional objective can be stated. Preliminary survey data from the pool 12 universe will be compared with the extant regional reports to evaluate the models of site distribution provided particularly by Dudzik (1974) and Geier and Loftus (1976).

In summary, then, the specific objectives of this proposed study are as follows: (1) Expand the level of identification of archaeological sites via the mechanism of a 20% sample of Government administered lands totalling some 1,020 acres; (2) Evaluate the potential adverse effects of pool maintenance on the archaeological data base via the mechanism of shoreline survey/inspection of the total shoreline mileage (280 miles) which should also serve to increase the level of identification and a more solid basis for recommended remedial action (at this point in time, according to the CRWG report, only four sites are known to be effected by erosion; (3) based on an analysis of the pre-inundation and post-inundation landscapes correlated with post-survey site distributions provide a relative density (predictive) model of site locations; (4) relying upon diagnostic cultural

materials recovered through the survey and through integration of existing collections, provide a revised cultural-historical framework for the tri-state locality to serve as an improved heuristic device for future settlement/subsistence studies; and (5) provide, where appropriate, recommendations for remedial action both for improvement in the level of identification of the archaeological data base and to minimize destruction of that data base from artificially high water levels.

METHODS AND TECHNIQUES OF THE PROPOSED STUDY

The proposed preliminary cultural resources survey is compartmentalized into three distinct task units: (1) Prefield research; (2) field inventory; and (3) analyses and report preparation.

Prefield research:

Prior to deployment of the field crew prefield research and preparation will be directed to accomplish two specific tasks. The first, conducted in consultation with a professional geologist, will be the accurate superimposition of pre-inundation topography on the current configuration. This of course will be done through the use of historical maps and air-photos. The utility of this exercise has already been presented by the CRWG report: Based on the abundant archival and published landscape data already available, this study would result in delineating areas where, at the present time, geological conditions are favorable for preserving archaeological sites. This may eliminate the necessity for conducting identification surveys on substantial parcels of federal land (1980: 51-52).

Task 2, which will draw heavily from the configuration developed by task 1, will be the development of a sampling strategy. With current geomorphological data at hand the pool margins will be subdivided by categorical geomorphic structure and ecological setting. However, insular units will be maintained as separate sample units from mainland settings. Further, the insular units will be selected based on island morphology so

as to ensure that, consistent with the RFP, the sample will cover as diverse an area as possible. Finally, insular units will be subjected to distinctly different survey coverage than mainland units. Salzer & Overstreet (1976) have demonstrated that insular occupation is not restricted to shoreline margins and occurs on island interiors as well. As a result, it is anticipated that interior transects will be employed along with transects parallel to island shores.

At this juncture it is difficult to provide a specific sampling procedure. It is also premature as the pre-field research will provide the rationale for a specific sampling strategy once the geomorphological data and known site distributions have been assessed and scrutinized. For purposes of review, it may be wise to require an evaluation of a draft sampling procedure by area professionals.

Field Investigations:

Once the sampling strategy has been developed the field crew will be deployed to conduct the 20% sample of 5,100 acres specified in the RFP under Corps of Engineer ownership. The 20% sample, comprising some 1,020 acres will be subjected to complete coverage. As technical information provided by telephone conversation indicates that almost all of these lands are presently uncultivated we can assume that surface vegetation precludes effective application of traditional pedestrian survey or surface collection. Because of this situation the primary inventory technique will be shovel-testing. Although this technique means many things to various individuals, the following techniques will be utilized for the proposed undertaking. First, shovel-testing defined here consists of shallow pits, approximately 35-45 centimeters in diameter excavated to a depth of 30-50 centimeters dependent on local soil conditions. Shovel-test pit contents are passed through a 1/4" mesh screen and after observation of contents pits are immediately back-filled. Intervals both within and between shovel-test transects are maintained at approximately 10 meters. Erosional surfaces from natural drainage, wind-throws, etc. are inspected as they fortuitously occur along these transects.

Soil coring will be utilized both for verification of stratigraphy as observed in shovel test units and for determination of alluvial deposition. One-inch standard soil samplers will be utilized on the basis of local conditions to assist in the deployment of shovel test transects. However, this will be effective only in regions where recent alluvium is less than three feet in depth. The minimum 100% coverage will entail 1,020 acres and, dependent on field conditions and logistical difficulties which are always a factor in insular settings, this acreage may be exceeded.

The second aspect of field investigation involves inspection of the entire 280 miles of shoreline mileage within pool 12. Utilizing motorized Avon rafts which are stable enough for open water travel while at the same time of sufficiently shallow draft for slough and backwater regions within the pool, the shorelines will be visually inspected for erosional contexts. Where such contexts occur, the two-man field teams will land and conduct closer inspection for the occurrence of cultural materials exposed by bank erosion and slumping. The sites encountered, which will likely exceed the known number specified by the GREAT II CRWG, will be collected and site limits will be ascertained by the shovel test techniques specified above. This latter aspect of the field investigations will very likely provide more significant data than the 1,020 acres subjected to shovel testing given the limitations of that technique.

An arbitrary ranking system of site destruction along with recommended remedial action will be developed for each site encountered in an erosional context.

Finally, efforts will be devoted to contacting local collectors, historians, or other knowledgeable individuals to determine the precise locations of archaeological sites as well as to record collections photographically for purposes of integration into the local cultural-historical framework. This field method, i.e., informant interview is often ignored in spite of the collective archaeological experience which indicates that local informants often provide more data than accrues through the more rigorous methodology applied by the archaeologist in the field.

Site data collected in the field will be recorded on the site survey forms attached in appendix A. As well, site forms will be requested from each appropriate state agency and completed. Upon completion, forms will be submitted to these agencies so that numbers can be assigned to each site and recovered cultural materials can be appropriately catalogued.

LABORATORY ANALYSES:

Laboratory analyses and report preparation will entail two primary phases. First will be the appropriate recordation, cleaning, and stabilization of cultural materials where appropriate. This will include typological determinations wherever and whenever possible, tabulation of appropriate attributes of ceramic, lithic, and other artifact categories commensurate with contemporary professional standards. Of course, these later data will be incorporated in the final report.

The second aspect of the laboratory analyses will be the determination of sensitivity zones within the confines of Pool 12. Known and inferred site locations will be depicted by topographic/geomorphic structure and environmental attributes, e.g., soils, vegetation association, etc. The model of relative site densities will be based on pre-inundation configuration both for a more comprehensive settlement array and an analysis of potential site destruction resulting from the construction and maintenance of Navigation Pool 12.

PERSONNEL, EQUIPMENT, & CURATION:

Personnel to be engaged in the Preliminary Cultural Resource Survey of Navigation Pool 12 meet or exceed National Park Service Guidelines for professional personnel. A curriculum vita for the Principal Investigator, Dr. David F. Overstreet, and the Field and Laboratory Supervisor, Mr. Robert A. Brimingham are attached and serve to attest to the wide range of experience both within and outside the project environs. Vitae of other personnel will be provided upon request.

Great Lakes Archaeological Research Center, Inc. is presently in possession of materials and supplies required to perform this preliminary cultural resource survey. These include but are not restricted to: (1) Survey equipment, eg. Brunton hand transits, transit, alidade; (2) field vehicles; (3) excavation equipment, e.g., shovels, screens, trowels, etc., (4) appropriate photographic equipment including both 35 mm and 4x5 cameras and dark room facilities. In addition, the Great Lakes Archaeological Research Center, Inc. has both cartographic and duplication facilities for preparation and printing of reports.

Fiscal control both by the logistics staff and through outside consultation have proven capable in a significant number of successfully completed archaeological investigations for many agencies of the Federal Government.

As indicated in Part I, Section C, 5, all recovered materials and associated records will remain the property of the U.S. Government. Great Lakes Archaeological Research Center, Inc. has adequate curation facilities and will temporarily house those records and materials until coordination is implemented by the Rock Island District for permanent curation at the various state repositories in consultation with respective State Historic Preservation Officers.

REPORTING

Reporting specifications are detailed in the RFP and will be complied with for purposes of the final report. However, upon acceptance of the final report, the contract report will be revised and submitted to an appropriate regional journal for publication in order to disseminate information to both the professional and lay communities. The reporting schedule as indicated in the RFP provides sufficient duration for project completion. However, this is dependent upon the date of the contract award and should be subjected to negotiation once the contract award is made. Rationale for this is simply that it may not be feasible to conduct the field investigations during the winter months of 1980-81.

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APPENDIX A-SURVEY FORMS

SITE SURVEY DATA SHEET: (GLARC)

County: _____ Township: _____ Site# _____

Section: _____ Town: _____ Range: _____ U.S.G.S. Quadrangle:
(To 1/4, 1/4 Section) Name _____

U.T.M. Coordinates _____ Series _____
Topo: _____ Plan: _____
Date: _____

Owner: _____
Address: _____

Owner Occupied: Yes: _____ No: _____

Site Priority (Potential for Destruction): If 1-3, state the agency re-

1. _____ (Immanent-certain) sponsible for destruction: _____
2. _____ (High) _____
3. _____ (Likely but not certain) _____
4. _____ (Remote) _____
5. _____ (On National Register or Owned by State or Federal Agency)

Type of Site: (May be one or several of the following)

Mound Group _____ Workshop _____ Petroglyphs _____
Habitation Site _____ Rock Shelter _____ Quarry Site _____
Shell Midden _____ Kill Site _____ Garden Beds _____
Ridged Fields _____ Corn Hills _____ Other _____

(If Other, describe: _____)

Site Presence Determined From:

Private Collections _____ Surface Collection _____
Shovel Testing _____ Coring _____
Controlled Excavation _____ Other: _____

Archaeological Sub-Surface Features:

Unknown _____ House Basins _____ Wall Trenches _____
Sheet Midden _____ Pallisades _____ Post Molds _____
Refuse/Storage Pits _____ Multi-component Stratified _____

Approximate Size: (Meters) N/S _____ x E/W _____.

Size Determined From:

Phosphate _____ Surface Collection _____ Shovel Tests _____
Published Accounts _____ Controlled Test Pits _____ Other: (describe) _____

Elevation: Feet Above Sea Level: _____.

Topography: (General Description of Site Environs)

Dissected Uplands _____ Shoreline _____ Terrace _____
Bluff top _____ Marsh _____ Raised Beach _____
Bluff base _____ Bog _____ Flood plain _____
Other: (describe) _____

Nearby Water Source: Name if Known: _____
1.Spring _____ 4.River (Navigable) _____ 7.Stream _____
2.Creek _____ 5.Lagoon _____ 8.Slough _____
3.Lake _____ 6.Great Lake _____ 9.Other _____
10.Confluence of _____

Soil Type: (From Soils Map) _____

Drainage: Excessive _____ Good _____ Fair _____ Poor _____. PH: _____

Relief: Hilly _____ Rolling _____ Undulating _____ Level _____.

Present Landuse Pattern:

Urban _____ Cultivated _____ Woodland _____
Recreational _____ Pasture _____ Other: _____

Cultural Materials from Site: (Describe) _____

Location of Collections: _____

Source of Information:

Published _____ Unpublished _____ reference _____

Actual Visit to site: _____ Correspondence: _____ Conversation: _____

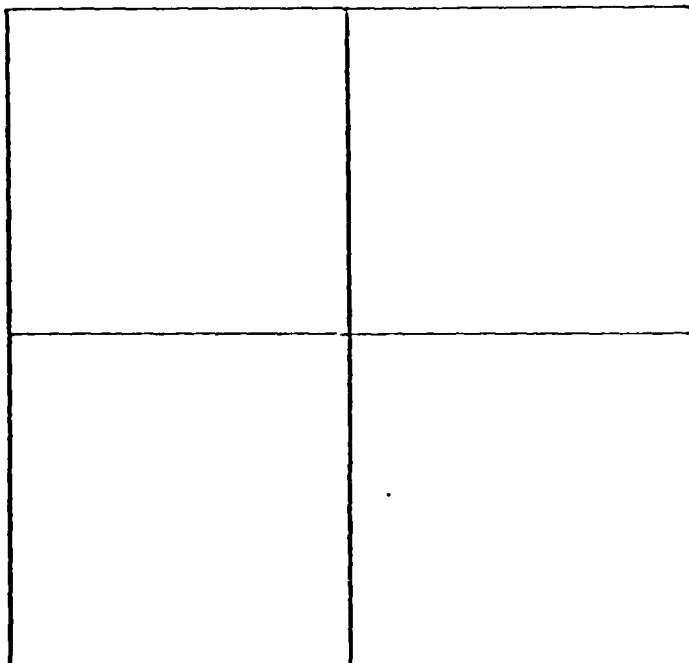
Record Prepared by: _____ Date: _____

Affiliation: _____

SITE LOCATION SKETCH MAP



Grid
North



County: _____ Township: _____ Site # _____

Section: _____ Town: _____ Range: _____ U.S.G.S. Quadrangle
(To $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ Section) Name: _____

U.T.M. Coordinates _____ Series: _____
Topo: _____ Plan: _____
Date: _____

Owner: _____

Address: _____

Owner Occupied: Yes _____ No _____

Type of Site:

Trading Post _____ Cemetary _____ Homestead _____ Logging Camp _____

Railroad Bed _____ Mill _____ Campsites _____ Dam _____ Other _____

(If other, describe: _____)

Site Presence Determined From:

Survey _____ Reference _____ Informant _____ Other _____

Approximate Size: (Meters) N/S _____ X E/W _____

Topography: (General Description of Site Environs)

Dissected Uplands _____ Shoreline _____ Terrace _____

Bluff top _____ Marsh _____ Raised Beach _____

Bluff base _____ Bog _____ Flood Plain _____

Other: (describe) _____

Relief: Hilly _____ Rolling _____ Undulating _____ Level _____

Present Landuse Pattern:

Urban _____ Cultivated _____ Woodland _____

Recreational _____ Pasture _____ Other: _____

Description of structures _____

Description of vegetation _____

Description of cultural materials _____

Condition of site: Excellent _____ Fair _____ Poor _____ Deteriorated _____

Potential for Destruction:

1. _____ (Imminent- Certain)
2. _____ (High)
3. _____ (Likely but not certain)
4. _____ (Remote)
5. _____ (On the National Register)
6. _____ (National Register Nominee)

Reason for the destruction: _____

Informant Information:

Name: _____
Address: _____
Phone: () - _____

Summation of Information Provided: _____

Source of Information:

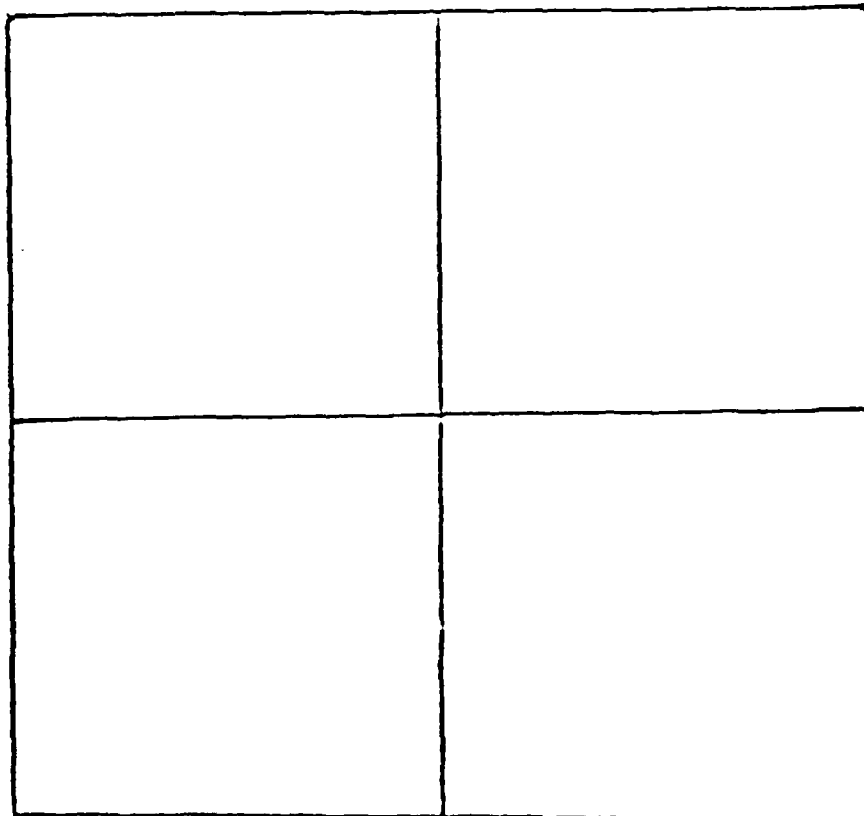
Published _____ Unpublished _____ reference _____

Actual Visit to site: _____ Correspondence: _____ Conversation: _____

Record Prepared by: _____ Date: _____

Affiliation: _____

SITE LOCATION SKETCH MAP



Photographs taken: Yes _____ No _____ Black/White _____ Number _____
Color prints _____ Number _____
slides _____

APPENDIX B
UNPRICED BREAKDOWN OF LABOR
AND MATERIALS

PRE-FIELD RESEARCH:

Principal Investigator.....15 man days
Research Associate.....15 man days
Geological Consultant.....10 man days

FIELD RESEARCH:

Principal Investigator.....20 man days
Research Associate.....30 man days
Geological Consultant.....10 man days
Field Crew.....125 man days
(5 individuals for 5 weeks)

LAB AND REPORT PREPARATION

Principal Investigator.....50 man days
Research Associate.....45 man days
Lab technicians.....90 man days
Geological consultant.....10 man days

TRAVEL

Mileage estimated at 5,000 miles, 2 vehicles
Lodging for 6 weeks
Subsistence allowance for 185 man-days
Boat Rental

OTHER

Expendable supplies
Report printing

INDIRECT COSTS

Calculated at 41.8% of direct labor

APPENDIX F: Navigation Pool 12 Informants

Pool 12 Informants

Ames Family (resident), Frentress Lake; East Dubuque, Illinois
Mr. George Bauman (retired Galena teacher); Milwaukee, Wisconsin.
Mr. George Bookless (Galena Historical Museum); Galena, Illinois.
Mr. Robert Chandling (resident), Ferry Landing Road;, Galena, Illinois.
Mr. Michael Einsweiller (farmer), Ferry Landing Road; Galena, Illinois.
Mr. and Mrs. Edgar Gaherty (resident); Massey, Iowa.
Gansermann Family (resident), Frentress Lake; East Dubuque, Illinois.
Mr. Louis Harley (caretaker), Massey Marina; Massey, Iowa.
Mr. Frank Johnson (farmer); Aiken, Illinois.
Mr. James Klameth (resident); Massey, Iowa.
Mr. Raymond Miller and Family (Illinois State Conservation Officer);
Galena, Illinois.
Mr. Donald O'Leary (resident), Camp 19, Ferry Landing Service;
Galena, Illinois.
Mr. Butch Schubert (Schubert's Guide Service), Ferry Landing Road;
Galena, Illinois.
Mr. and Mrs. Robert Schubert (Schubert's Guide Service), Ferry
Landing Road; Galena, Illinois.
Mr. John Schultz (farmer), Pilot Knob Road; Galena, Illinois.

APPENDIX G: Site Artifact Lists

Pleistocene Terrace Sites:

11 Jd 86	11 Jd 138
11 Jd 113	13 Db 59
11 Jd 114	13 JK 75
11 Jd 115	13 JK 77
11 Jd 135	

PROJECT: Pool 12

Site: 11 Jd 86

Provenience Surface

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes	2	
Unretouched Flakes	8	
Points		
Knives		
Scrapers	1	
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock		
Miscellaneous		

Ceramics	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

<u>Organic</u>	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Welch
Date 9/3/81

PROJECT: Pool 12

Site: 11 Jd 113 Blendings Landing

Provenience Surface

MATERIALS:

Lithics

Cores	2	
Bifaces	7	
Retouched Flakes	31	
Unretouched Flakes	337	157 shatter
Points	3	1 contracting stem, 2 tips
Knives		
Scrapers	8	
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock	2	limestone
Miscellaneous	2	Broken basalt, broken granite

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

Organic

	Burned	Unburned
Bone	1	8
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Welch
Date 9/3/8

PROJECT: Pool 12

Site: 11 Jd 114

Provenience Einsweiller's (surface)

MATERIALS:

Lithics

Cores	4	
Bifaces	3	
Retouched Flakes	8	
Unretouched Flakes	102	25 shatter
Points	1	expanding stem
Knives		
Scrapers	1	
Hammerstone		
Grinding Stone		
Unmodified Rock	1	chert chunk
Fire-cracked Rock		
Miscellaneous	2	broken cobbles (FCR or plow shatter)

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim	2				
Decorated Body	1				
Cord-marked Body	7				
Smoothed-over Cord-marked Body	5				
Smooth Body	14				
Exfoliated	5				

Organic

	Burned	Unburned
Bone	1	
Micellaneous	one shell	

HISTORIC

Glass _____

Metal _____

Miscellaneous _____

Other

Name Boszhardt

Date 9/9/81

GREAT LAKES ARCHAEOLOGICAL RESEARCH CENTER INC WAUKE--ETC F/G 5/6
PRELIMINARY INVESTIGATIONS: ARCHAEOLOGY AND SEDIMENT GEOMORPHOLOGY--ETC(U)
1981 DACW25-81-C-0045

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DATE
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09-82
DTIC

PROJECT: Pool 12

Site: 11 Jd 115 Dubuque Sand and Gravel

Provenience Surface

MATERIALS:

Lithics

Cores	7	
Bifaces	4	
Retouched Flakes	6	utilized flakes
Unretouched Flakes	149	20 shatter
Points	3	1 straight stem, 2 side notched
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock	6	chert cobbles
Fire-cracked Rock	1	limestone
Miscellaneous		

Ceramics	Grit	Shell	Limestone	Grog	Sand
Rim	1				
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body	15				
Smooth Body	2		1		
Exfoliated	4				

Organic	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass _____
Metal _____
Miscellaneous _____

Other

2 burned clay

Name Poszhardt
Date 9/4/81

PROJECT: Pool 12

Site: 11 Jd 135a

Provenience Surface

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes	21	10 shatter
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock	1	chert cobble
Fire-cracked Rock		
Miscellaneous		

<u>Ceramics</u>	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

<u>Organic</u>	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	1 lead slug
Miscellaneous	
<u>Other</u>	

Name Boszhardt
Date 9/9/81

PROJECT: Pool 12

Site: 11 Jd 135 b

Provenience Surface

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes	1	
Unretouched Flakes	49	7 shatter
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock	1	limestone
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

Organic

	Burned	Unburned
Bone		
Miscellaneous		

HISTORIC

Glass	1 insulator fragment
Metal	
Miscellaneous	

Other

Name Boszhardt
Date 9/9/81

PROJECT: Pool 12

Site: 11 Jd 138

Provenience General surface, south end

MATERIALS:

Lithics

Cores	1	
Bifaces		
Retouched Flakes		
Unretouched Flakes	41	5 shatter
Points	1	probable base of contracting stem
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock	1	chert cobble
Fire-cracked Rock		
Miscellaneous	1	slate fragment

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body	1				
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

Organic

	Burned	Unburned
Bone		

Miscellaneous _____

HISTORIC

Glass _____

Metal _____

Miscellaneous _____

Other

Name Boszhardt
Date 9/4/81

PROJECT: Pool 12

Site: 11 Jd 138

Provenience Staheli property

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes	48	4 shatter
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock	1	granite pebble
Fire-cracked Rock		
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

Organic

	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Boszhardt
Date 9/4/81

PROJECT: Pool 12

Site: 11 Jd 138

Provenience General Surface, north half

MATERIALS:

Lithics

Cores	1	
Bifaces	1	fragment
Retouched Flakes	3	
Unretouched Flakes	26	13 shatter
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock	2	chert fragments
Fire-cracked Rock		
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body	1				
Smooth Body					
Exfoliated					

Organic

	Burned	Unburned
Bone		
Miscellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Roszhardt
Date 9/4/81

PROJECT: Pool 12

Site: 11 Jd 138

Provenience Polf Property

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes	9	
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock		
Miscellaneous		

Ceramics	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body	2				
Smoothed-over Cord-marked Body					
Smooth Body	2				
Exfoliated					

Organic	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Boszhardt
Date 9/4/81

PROJECT: Pool 12

Site: 11 Jd 138

Provenience Low terrace north of Polfer Property

MATERIALS:

Lithics

Cores		
Bifaces	1	mid section
Retouched Flakes		
Unretouched Flakes	13	
Points	1	triangular
Knives	1	
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock		
Miscellaneous		

<u>Ceramics</u>	<u>Grit</u>	<u>Shell</u>	<u>Limestone</u>	<u>Grog</u>	<u>Sand</u>
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

<u>Organic</u>	<u>Burned</u>	<u>Unburned</u>
Bone		
Miscellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Boszhardt
Date 9/4/81

PROJECT: Pool 12

Site: 11 Jd 138

Provenience Bennett field, rise A

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes	2	
Unretouched Flakes	38	
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock		
Miscellaneous		

<u>Ceramics</u>	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body	2				
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

<u>Organic</u>	Burned	Unburned	
Bone		5	probably historic
Micellaneous			

HISTORIC

Glass	
Metal	1 tobacco lid, rusted
Miscellaneous	

Other

Name Roszhardt
Date 9/4/81

PROJECT: Pool 12

Site: 11 Jd 138

Provenience Bennett field rise B

B

MATERIALS:

Lithics

Cores

Bifaces

Retouched Flakes

Unretouched Flakes 4 2 possibly utilized

Points 1 tip

Knives

Scrapers

Hammerstone

Grinding Stone

Unmodified Rock

Fire-cracked Rock

Miscellaneous

Ceramics

Grit

Shell

Limestone

Grog

Sand

Rim

Decorated Body

Cord-marked Body

Smoothed-over Cord-marked Body

Smooth Body

Exfoliated

Organic

Burned

Unburned

Bone

Micellaneous

HISTORIC

Glass

Metal

Miscellaneous

Other

Name Welch
Date 9/3/81

PROJECT: Pool 12

Site: 11 Jd 138

Provenience Bennett field rise B

B
MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes	4	2 possibly utilized
Points	1	tip
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock		
Miscellaneous		

<u>Ceramics</u>	Grit	Shell	Limestone	Grog	nd
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

<u>Organic</u>	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Welch
Date 9/3/81

PROJECT: Pool 12

Site: 13 Ob 59

Provenience Surface

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes	1	
Unretouched Flakes	8	
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock		
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

Organic

	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Welch
Date 9/3/81

PROJECT: Pool 12

Site: 13 JK 75, Bellevue Sand and Gravel

Provenience Surface

MATERIALS:

Lithics

Cores	1	fragment
Bifaces	1	
Retouched Flakes	4	
Unretouched Flakes	83	12 shatter
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock	1	cobble
Fire-cracked Rock		
Miscellaneous		

<u>Ceramics</u>	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

<u>Organic</u>	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Boszhardt
Date 9/4/81

PROJECT: Pool 12

Site: 13 JK 77 Gassman's

Provenience Surface

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes	5	
Unretouched Flakes	32	7 shatter
Points	1	contracting stem
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock	6	pebbles
Fire-cracked Rock		
Miscellaneous	1	possible hammerstone spall (basalt)

<u>Ceramics</u>	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

<u>Organic</u>	Burned	Unburned
Bone		
Miscellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Welch
Date 9/3/81

Site Artifact List: Backwater Lake Sites

11 Jd 121
11 Jd 122
11 Jd 125
11 Jd 127
11 Jd 132
11 Jd 134

PROJECT: Pool 12

Site: 11 Jd 121

Provenience Shoreline surface, north end

MATERIALS:

Lithics

Cores		
Bifaces	2	
Retouched Flakes	3	
Unretouched Flakes	61	18 shatter
Points		
Knives		
Scrapers	3	
Hammerstone	1	chert
Grinding Stone		
Unmodified Rock	11	10 pebbles, 1 chert chunk
Fire-cracked Rock	1	(?)
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

Organic

	Burned	Unburned
Bone		
Miscellaneous		

HISTORIC

Glass	1 rusted
Metal	
Miscellaneous	2 cinder

Other

Name Boszhardt
Date 9/9/81

PROJECT: Pool 12

Site: 11 Jd 121

Provenience Shoreline surface, south end

MATERIALS:

Lithics

Cores	2	
Bifaces		
Retouched Flakes		
Unretouched Flakes	4	
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock	2	1 chert cobble, 1 limestone
Fire-cracked Rock		
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

Organic

	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Boszhardt
Date 9/9/81

PROJECT: Pool 12

Site: 11 Jd 121

Provenience Surface, cornfield

MATERIALS:

Lithics

Cores		
Bifaces	1	
Retouched Flakes		
Unretouched Flakes	1	shatter
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock		
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

Organic

	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Boszhardt
Date 9/9/81

PROJECT: Pool 12

Site: 11 Jd 121

Provenience Test pit 0-10 cm

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes	7	4 shatter
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock	1	limestone
Fire-cracked Rock		
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

Organic

	Burned	Unburned
Bone		

Micellaneous _____

HISTORIC

Glass _____

Metal 1 rusted hook

Miscellaneous _____

Other

Name Boszhardt
Date 9/9/81

PROJECT: Pool 12

Site: 11 Jd 121

Provenience Test pit 10-20 cm

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes	15	9 shatter
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock	12	9 fractured cobbles, 3 limestones
Fire-cracked Rock		
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated	3				

Organic

	Burned	Unburned
Bone	1	
Micellaneous	1 charcoal	

HISTORIC

Glass	
Metal	
Miscellaneous	6 cinder

Other

Name Roszhardt
Date 9/9/81

PROJECT: Pool 12

Site: 11 Jd 121

Provenience Test pit 21-30 cm

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes	13	9 shatter
Points	1	side notched triangular
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock	18	4 pebbles, 14 limestone
Fire-cracked Rock		
Miscellaneous	14	13 broken cobbles (FCR or plow shatter), 1 sl

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body	3				
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

Organic

	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	1 fragment (brown)
Metal	
Miscellaneous	2 cinder

Other

Name Boszhardt
Date 9/9/81

PROJECT: Pool 12

Site: 11 Jd 121

Provenience Test pit 31-40 cm

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes	11	9 shatter
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock	2	1 pebble, 1 chert chunk
Fire-cracked Rock	10	cobbles
Miscellaneous		

<u>Ceramics</u>	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

<u>Organic</u>	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Boszhardt
Date 9/9/81

PROJECT: Pool 12

Site: 11 Jd 121

Provenience Test Pit 51-60 cm

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes	1	chert shatter
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock		
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

Organic

	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Boszhardt
Date 9/9/81

PROJECT: Pool 12

Site: 11 Jd 121

Provenience Test Pit 71-80 cm

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes	2	Shatter
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock		
Miscellaneous		

<u>Ceramics</u>	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

<u>Organic</u>	Burned	Unburned
Bone		
Miscellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Boszhardt
Date 9/9/81

PROJECT: Pool 12

Site: 11 Jd 122

Provenience _____

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes	11	5 shatter
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock	1	cobble
Fire-cracked Rock	4	3 limestone, 1 basalt
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated	1				

Organic

	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Boszhardt
Date 9/4/81

PROJECT: Pool 12

Site: 11 Jd 123

Provenience Surface

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes	1	
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock	3	limestone
Fire-cracked Rock		
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

Organic

	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Boszhardt
Date 9/9/81

PROJECT: Pool 12

Site: 11 Jd 127

Provenience Surface

MATERIALS:

Lithics

Cores	1	
Bifaces	1	fragment
Retouched Flakes	1	
Unretouched Flakes	9	
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock	2	limestone
Fire-cracked Rock	1	granite
Miscellaneous	1	(?)

<u>Ceramics</u>	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body	1				
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

<u>Organic</u>	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Roszhardt
Date 9/4/81

PROJECT: Pool 12

Site: 11 Jd 132

Provenience Surface

MATERIALS:

Lithics

Cores	3	
Bifaces		
Retouched Flakes		
Unretouched Flakes	1	
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock	5	1 broken basalt cobble, 4 pebbles
Fire-cracked Rock		
Miscellaneous		

<u>Ceramics</u>	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

<u>Organic</u>	Burned	Unburned
Bone		
Micellaneous	8 shell, from probable historic shell midden	

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Boszhardt
Date 9/4/81

PROJECT: Pool 12

Site: 11 Jd 134

Provenience Surface

MATERIALS:

Lithics

Cores	1	fragment
Bifaces	1	
Retouched Flakes	1	
Unretouched Flakes	25	4 shatter
Points		
Knives	1	fragment
Scrapers		
Hammerstone	1	fragment
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock	2	limestone
Miscellaneous		

<u>Ceramics</u>	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					2
Cord-marked Body	1				11
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					2

<u>Organic</u>	Burned	Unburned
Bone	3	
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Boszhardt
Date 9/4/81

Site Artifact Lists: Side Channel Sites

11 Jd 116
11 Jd 125
11 Jd 126
11 Jd 128
11 Jd 129
11 Jd 130

PROJECT: Pool 12

Site: 11 Jd 116, Wickman's Dam

Provenience Redeposited shore

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes	6	5 shatter (all burned)
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock	5	2 cobbles, 3 limestone
Fire-cracked Rock	3	all limestone
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim	1				
Decorated Body	1				
Cord-marked Body	3				
Smoothed-over Cord-marked Body	7				
Smooth Body					
Exfoliated	2				

Organic

	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	4 rusted
Miscellaneous	

Other

Name Boszhardt
Date 9/4/81

PROJECT: Pool 12

Site: 11 Jd 116, Wickman's Dam

Provenience Exposed bank, in situ 1-1.25 cm b.s.

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes	2	
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock		
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body	1				
Smoothed-over Cord-marked Body	2				
Smooth Body					
Exfoliated					

Organic

	Burned	Unburned
Bone		
Miscellaneous		

HISTORIC

Glass	
Metal	2 shell
Miscellaneous	

Other

Name Boszhardt
Date 9/4/81

PROJECT: Pool 12

Site: 11 Jd 116 Wickman's Dam

Provenience Test cut 78-80 cm b.s.

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes		
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock		
Miscellaneous		

<u>Ceramics</u>	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

<u>Organic</u>	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	3 rusted nails
Miscellaneous	

Other

Name Roszhardt
Date 9/4/81

PROJECT: Pool 12

Site: 11 Jd 116 Wickman's Dam

Provenience Feature 1 (test cut 115-125 cm b.s.)

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes	5	all burned shatter
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock	9	all limestone
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

Organic

	Burned	Unburned
Bone		
Miscellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Boszhardt
Date 9/4/81

PROJECT: Pool 12

Site: 11 Jd 125

Provenience General Surface

MATERIALS:

Lithics

Cores	2	
Bifaces	2	
Retouched Flakes	1	
Unretouched Flakes	47	5 shatter
Points		
Knives		
Scrapers	1	
Hammerstone	3	2 basalt (1 ground), 1 quartzite (?)
Grinding Stone	1	granite (?)
Unmodified Rock		
Fire-cracked Rock	2	1 limestone, 1 chert
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					1
Decorated Body	3		1		
Cord-marked Body	1		1		5
Smoothed-over Cord-marked Body	2				2
Smooth Body	1				2
Exfoliated	6				1

Organic

	Burned	Unburned
Bone	2	
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Boszhardt
Date 9/4/81

PROJECT: Pool 12

Site: 11 Jd 125

Provenience Surface, north end

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes	20	
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock		
Miscellaneous		

<u>Ceramics</u>	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					3
Smoothed-over Cord-marked Body					
Smooth Body					1
Exfoliated	3				3

<u>Organic</u>	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Burned clay 3

Name Boszhardt
Date 9/8/81

PROJECT: Pool 12

Site: 11 Jd 126

Provenience General surface

MATERIALS:

Lithics

Cores	3	
Bifaces	1	
Retouched Flakes	2	
Unretouched Flakes	23	3 shatter
Points	1	tip
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock	1	cobble
Fire-cracked Rock	20	basalt, granite, limestone
Miscellaneous	1	ground basalt (whetting stone?)

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body	1				
Cord-marked Body	5				
Smoothed-over Cord-marked Body	8				1
Smooth Body					
Exfoliated	9				

Organic

	Burned	Unburned
Bone	29	8

Miscellaneous _____

HISTORIC

Glass _____

Metal _____

Miscellaneous _____

Other

1 rusted metal
1 unknown rock

Name Boszhardt
Date 9/9/81

PROJECT: Pool 12

Site: 11 Jd 126

Provenience Surface, east end

MATERIALS:

Lithics

Cores	<u>1</u>	
Bifaces		
Retouched Flakes		
Unretouched Flakes	<u>8</u>	
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock		
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

Organic

	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Note: core from cleared surface of barge terminal eastement.

Name Welch
Date 9/3/81

PROJECT: Pool 12

Site: 11 Jd 126

Provenience Surface, north end across small drainage

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes		
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock	1	limestone
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

Organic

	Burned	Unburned
Bone		
Miscellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

1 burned clay

Name Boszhardt

Date 9/9/81

PROJECT: Pool 12

Site: 11 Jd 128

Provenience General Surface

MATERIALS:

Lithics

Cores	4	
Bifaces	4	
Retouched Flakes	3	
Unretouched Flakes	68	8 shatter
Points	2	
Knives		
Scrapers	1	
Hammerstone	2	1 ground (?)
Grinding Stone		
Unmodified Rock	9	6 cobbles, 2 limestone (1 cherty), 1 flat cobble
Fire-cracked Rock		
Miscellaneous		

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim	1				
Decorated Body	3		2		6
Cord-marked Body	5		8		2
Smoothed-over Cord-marked Body	4		2		
Smooth Body	2		1		1
Exfoliated	11		15		9

Organic

	Burned	Unburned
Bone	14	
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

4 burned clay

Name Boszhardt
Date 9/9/81

PROJECT: Pool 12

Site: 11 Jd 129

Provenience Surface

MATERIALS:

Lithics

Cores	5	
Bifaces		
Retouched Flakes	5	
Unretouched Flakes	83	4 shatter
Points	1	corner notched triangular
Knives	1	on blade flake
Scrapers	2	
Hammerstone	2	1 fragmentary (possibly ground)
Grinding Stone		
Unmodified Rock	5	1 chert, 1 limestone, 1 quartzite, 2 cobbles
Fire-cracked Rock	6	burned limestone
Miscellaneous	1	grooved galena cube

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body	7				
Exfoliated	2				1

Organic

	Burned	Unburned
Bone	3	1

Miscellaneous _____

HISTORIC

Glass _____

Metal 1 cast and drilled lead

Miscellaneous _____

Other

Name Roszhardt
Date 9/8/81

PROJECT: Pool 12

Site: 11 Jd 130

Provenience _____

MATERIALS:

Lithics

Cores		
Bifaces		
Retouched Flakes		
Unretouched Flakes	2	
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock	1	Quartzite
Miscellaneous		

<u>Ceramics</u>	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body	1				
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

<u>Organic</u>	Burned	Unburned
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Welch
Date 9/3/81

Site Artifact Lists: Main Channel Sites

11 Jd 124
11 Jd 131
11 Jd 133

PROJECT: Pool 12

Site: 11 Jd 124

Provenience Surface

MATERIALS:

Lithics

Cores	1	
Bifaces		
Retouched Flakes		
Unretouched Flakes	1	
Points		
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock		
Miscellaneous		

<u>Ceramics</u>	Grit	Shell	Limestone	Grog	Sand
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

<u>Organic</u>	Burned	Unburned
Bone		1
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Welch
Date 9/3/81

PROJECT: Pool 12

Site: 11 Jd 131

Provenience Surface

MATERIALS:

Lithics

Cores	2	
Bifaces		
Retouched Flakes	1	
Unretouched Flakes	12	6 shatter
Points	1	tip
Knives		
Scrapers		
Hammerstone		
Grinding Stone		
Unmodified Rock		
Fire-cracked Rock	1	
Miscellaneous	2	calcite

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim	1				
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body	1				
Smooth Body					
Exfoliated					

Organic

	Burned	Unburned
Bone		
Miscellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Boszhardt
Date 9/4/81

PROJECT: Pool 12

Site: 11 Jd 131

Provenience South end

MATERIALS:

Lithics

Cores	1		
Bifaces			
Retouched Flakes			
Unretouched Flakes			
Points			
Knives			
Scrapers			
Hammerstone			
Grinding Stone			
Unmodified Rock			
Fire-cracked Rock			
Miscellaneous			

<u>Ceramics</u>	<u>Grit</u>	<u>Shell</u>	<u>Limestone</u>	<u>Grog</u>	<u>Sand</u>
Rim					
Decorated Body					
Cord-marked Body					
Smoothed-over Cord-marked Body					
Smooth Body					
Exfoliated					

<u>Organic</u>	<u>Burned</u>	<u>Unburned</u>
Bone		
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

Name Boszhardt
Date 9/4/81

PROJECT: Pool 12

Site: 11 Jd 133

Provenience Surface

MATERIALS:

Lithics

Cores	11	
Bifaces	2	
Retouched Flakes	7	1 drill tip (?)
Unretouched Flakes	80	22 shatter
Points		
Knives	1	corner notched
Scrapers		
Hammerstone	1	
Grinding Stone		
Unmodified Rock	1	chert nodual (frost fractured)
Fire-cracked Rock	3	2 burned limestone, 1 (?)
Miscellaneous	4	2 split cobbles: 2 basalt = possible hammer-stones spalls, 1 quartz; 1 calcite

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim	2				
Decorated Body	5				
Cord-marked Body	6				1
Smoothed-over Cord-marked Body	28				
Smooth Body	4				
Exfoliated	20				1

Organic

	Burned	Unburned
Bone	9	
Micellaneous		

HISTORIC

Glass	
Metal	
Miscellaneous	

Other

2 burned clay

Name Boszhardt
Date 9/8/81

PROJECT: Pool 12

Site: 11 Jd 133

Provenience Surface

MATERIALS:

Lithics

Cores	11	
Bifaces	2	
Retouched Flakes	7	1 Drill tip (?)
Unretouched Flakes	80	22 shatter
Points		
Knives	1	corner notched
Scrapers		
Hammerstone	1	
Grinding Stone		
Unmodified Rock	1	Chert
Fire-cracked Rock	3	2 limestone, 1 unidentified
Miscellaneous	4	2 split basalt cobbles (hammerstone spalls?), 1 quartz, 1 calcite

Ceramics

	Grit	Shell	Limestone	Grog	Sand
Rim	2				
Decorated Body	5				
Cord-marked Body	6				
Smoothed-over Cord-marked Body	28				
Smooth Body	4				
Exfoliated	20				

Organic

	Burned	Unburned
Bone	9	

Miscellaneous

HISTORIC

Glass

Metel

Miscellaneous

Other

2 burned clay

Name Boszhardt
Date 9/8/81

FILMED
9-8